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The "Teaching of English" Series

SHORT STORIES BY H. G. WELLS
SECOND SERIES

No. 222



"And at that he went for me. Lord!"
(From *Æpyornis Island.*)

SHORT STORIES BY H. G. WELLS

SECOND SERIES

With Notes and Questions by

A. J. J. RATCLIFF, M.A.

Illustrated by T. Ward

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A skilful literary artist has constructed a tale. If his very initial sentence tend not to the outbringing of the effect, then he has failed in his first step. In the whole composition there should be no word written, of which the tendency, direct or indirect, is not to the one pre-established design. And by such means, with such care and skill, a picture is at length painted which leaves in the mind of him who contemplates it with a kindred art a sense of the fullest satisfaction. The idea of the tale has been presented unblemished, because undisturbed.

E. A. POE

SHORT STORIES BY H. G. WELLS

SECOND SERIES

I

THE STOLEN BACILLUS

"THIS again," said the Bacteriologist, slipping a glass slide under the microscope, "is a preparation of the celebrated *Bacillus* of cholera—the cholera germ."

The pale-faced man peered down the microscope. He was evidently not accustomed to that kind of thing, and held a limp white hand over his disengaged eye. "I see very little," he said.

"Touch this screw," said the Bacteriologist; "perhaps the microscope is out of focus for you. Eyes vary so much. Just the fraction of a turn this way or that."

"Ah! now I see," said the visitor. "Not so very much to see after all. Little streaks and shreds of pink. And yet those little particles, those mere atomies, might multiply and devastate a city! Wonderful!"

He stood up, and releasing the glass slip from the microscope, held it in his hand towards the window. "Scarcely visible," he said, scrutinizing the prepara-

tion. He hesitated. "Are these—alive? Are they dangerous now?"

"Those have been stained and killed," said the Bacteriologist. "I wish, for my own part, we could kill and stain every one of them in the universe."

"I suppose," the pale man said with a slight smile, "that you scarcely care to have such things about you in the living—in the active state?"

"On the contrary, we are obliged to," said the Bacteriologist. "Here, for instance——" He walked across the room and took up one of several sealed tubes. "Here is the living thing. This is a cultivation of the actual living disease bacteria." He hesitated. "Bottled cholera, so to speak."

A slight gleam of satisfaction appeared momentarily in the face of the pale man. "It's a deadly thing to have in your possession," he said, devouring the little tube with his eyes. The Bacteriologist watched the morbid pleasure in his visitor's expression. This man, who had visited him that afternoon with a note of introduction from an old friend, interested him from the very contrast of their dispositions. The lank black hair and deep grey eyes, the haggard expression and nervous manner, the fitful yet keen interest of his visitor were a novel change from the phlegmatic deliberations of the ordinary scientific worker with whom the Bacteriologist chiefly associated. It was perhaps natural, with a hearer evidently so impressionable to the lethal nature of his topic, to take the most effective aspect of the matter.

He held the tube in his hand thoughtfully. "Yes, here is the pestilence imprisoned. Only break such a little tube as this into a supply of drinking-water, say to these minute particles of life that one must needs stain and examine with the highest powers of the

microscope even to see, and that one can neither smell nor taste—say to them, ‘Go forth, increase and multiply, and replenish the cisterns,’ and death—mysterious, untraceable death, death swift and terrible, death full of pain and indignity—would be released upon this city, and go hither and thither seeking his victims. Here he would take the husband from the wife, here the child from its mother, here the statesman from his duty, and here the toiler from his trouble. He would follow the water-mains, creeping along streets, picking out and punishing a house here and a house there where they did not boil their drinking-water, creeping into the wells of the mineral-water makers, getting washed into salad, and lying dormant in ices. He would wait ready to be drunk in the horse-troughs, and by unwary children in the public fountains. He would soak into the soil, to reappear in springs and wells at a thousand unexpected places. Once start him at the water supply, and before we could ring him in, and catch him again, he would have decimated the metropolis.”

He stopped abruptly. He had been told rhetoric was his weakness.

“But he is quite safe here, you know—quite safe.”

The pale-faced man nodded. His eyes shone. He cleared his throat. “These Anarchist—rascals,” said he, “are fools, blind fools—to use bombs when this kind of thing is attainable. I think——”

A gentle rap, a mere light touch of the finger-nails was heard at the door. The Bacteriologist opened it. “Just a minute, dear,” whispered his wife.

When he re-entered the laboratory his visitor was looking at his watch. “I had no idea I had wasted an hour of your time,” he said. “Twelve minutes to four. I ought to have left here by half-past three.”

But your things were really too interesting. No, positively I cannot stop a moment longer. I have an engagement at four."

He passed out of the room reiterating his thanks, and the Bacteriologist accompanied him to the door, and then returned thoughtfully along the passage to his laboratory. He was musing on the ethnology of his visitor. Certainly the man was not a Teutonic type nor a common Latin one. "A morbid product, anyhow, I am afraid," said the Bacteriologist to himself. "How he gloated on those cultivations of disease-germs!" A disturbing thought struck him. He turned to the bench by the vapour-bath, and then very quickly to his writing-table. Then he felt hastily in his pockets, and then rushed to the door. "I may have put it down on the hall table," he said.

"Minnie!" he shouted hoarsely in the hall.

"Yes, dear," came a remote voice.

"Had I anything in my hand when I spoke to you, dear, just now?"

Pause.

"Nothing, dear, because I remember——"

"Blue ruin!" cried the Bacteriologist, and incontinently ran to the front door and down the steps of his house to the street.

Minnie, hearing the door slam violently, ran in alarm to the window. Down the street a slender man was getting into a cab. The Bacteriologist, hatless, and in his carpet slippers, was running and gesticulating wildly towards this group. One slipper came off, but he did not wait for it. "He has gone *mad*!" said Minnie; "it's that horrid science of his"; and, opening the window, would have called after him. The slender man, suddenly glancing round, seemed struck with the same idea of mental disorder. He

pointed hastily to the Bacteriologist, said something to the cabman, the apron of the cab slammed, the whip swished, the horse's feet clattered, and in a moment cab, and Bacteriologist hotly in pursuit, had receded up the vista of the roadway and disappeared round the corner.

Minnie remained straining out of the window for a minute. Then she drew her head back into the room again. She was dumbfounded. "Of course he is eccentric," she meditated. "But running about London—in the height of the season, too—in his socks!" A happy thought struck her. She hastily put her bonnet on, seized his shoes, went into the hall, took down his hat and light overcoat from the pegs, emerged upon the doorstep, and hailed a cab that opportunely crawled by. "Drive me up the road and round Havelock Crescent, and see if we can find a gentleman running about in a velveteen coat and no hat."

"Velveteen coat, ma'am, and no 'at. Very good, ma'am." And the cabman whipped up at once in the most matter-of-fact way, as if he drove to this address every day in his life.

Some few minutes later the little group of cabmen and loafers that collects round the cabmen's shelter at Haverstock Hill were startled by the passing of a cab with a ginger-coloured screw of a horse, driven furiously.

They were silent as it went by, and then as it receded—"That's 'Arry 'Icks. Wot's *he* got?" said the stout gentleman known as Old Tootles.

"He's a-using his whip, he is, *to* rights," said the ostler boy.

"Hallo!" said poor old Tommy Byles; "here's another bloomin' loonatic. Blowed if there ain't."

"It's old George," said Old Tootles, "and he's drivin' a loonatic, as you say. Ain't he a-clawin' out of the keb? Wonder if he's after 'Arry 'Icks?"

The group round the cabmen's shelter became animated. Chorus: "Go it, George!" "It's a race." "You'll ketch 'em!" "Whip up!"

"She's a goer, she is!" said the ostler boy.

"Strike me giddy!" cried Old Tootles. "Here! I'm a-goin' to begin in a minute. Here's another comin'. If all the kebs in Hampstead ain't gone mad this morning!"

"It's a fieldmale this time," said the ostler boy.

"She's a followin' *him*," said Old Tootles. "Usually the other way about."

"What's she got in her 'and?"

"Looks like a 'igh 'at."

"What a bloomin' lark it is! Three to one on old George," said the ostler boy. "Nexst!"

Minnie went by in a perfect roar of applause. She did not like it but she felt that she was doing her duty, and whirled on down Haverstock Hill and Camden Town High Street with her eyes ever intent on the animated back view of old George, who was driving her vagrant husband so incomprehensively away from her.

The man in the foremost cab sat crouched in the corner, his arms tightly folded, and the little tube that contained such vast possibilities of destruction gripped in his hand. His mood was a singular mixture of fear and exultation. Chiefly he was afraid of being caught before he could accomplish his purpose, but behind this was a vaguer but larger fear of the awfulness of his crime. But his exultation far exceeded his fear. No Anarchist before him had ever approached this conception of his. Ravachol, Vaillant, all those dis-

Try to think over it.

tinguished persons whose fame he had envied dwindled into insignificance beside him. He had only to make sure of the water supply, and break the little tube into a reservoir. How brilliantly he had planned it, forged the letter of introduction and got into the laboratory, and how brilliantly he had seized his opportunity! The world should hear of him at last. All those people who had sneered at him, neglected him, preferred other people to him, found his company undesirable, should consider him at last. Death, death, death! They had always treated him as a man of no importance. All the world had been in a conspiracy to keep him under. He would teach them yet what it is to isolate a man. What was this familiar street? Great Saint Andrew's Street, of course! How fared the chase? He craned out of the cab. The Bacteriologist was scarcely fifty yards behind. That was bad. He would be caught and stopped yet. He felt in his pocket for money, and found half a sovereign. This he thrust up through the trap in the top of the cab into the man's face. "More," he shouted, "if only we get away."

The money was snatched out of his hand. "Right you are," said the cabman, and the trap slammed, and the lash lay along the glistening side of the horse. The cab swayed, and the Anarchist, half-standing under the trap, put the hand containing the little glass tube upon the apron to preserve his balance. He felt the brittle thing crack, and the broken half of it rang upon the floor of the cab. He fell back into the seat with a curse, and stared dismally at the two or three drops of moisture on the apron.

He shuddered.

"Well! I suppose I shall be the first. *Phew!* Anyhow, I shall be a Martyr. That's something.

But it is a filthy death, nevertheless. I wonder if it hurts as much as they say."

Presently a thought occurred to him—he groped between his feet. A little drop was still in the broken end of the tube, and he drank that to make sure. It was better to make sure. At any rate, he would not fail.

Then it dawned upon him that there was no further need to escape the Bacteriologist. In Wellington Street he told the cabman to stop, and got out. He slipped on the step, and his head felt queer. It was rapid stuff this cholera poison. He waved his cabman out of existence, so to speak, and stood on the pavement with his arms folded upon his breast awaiting the arrival of the Bacteriologist. There was something tragic in his pose. The sense of imminent death gave him a certain dignity. He greeted his pursuer with a defiant laugh.

"Vive l'Anarchie! You are too late, my friend. I have drunk it. The cholera is abroad!"

The Bacteriologist from his cab beamed curiously at him through his spectacles. "You have drunk it! An Anarchist! I see now." He was about to say something more, and then checked himself. A smile hung in the corner of his mouth. He opened the apron of his cab as if to descend, at which the Anarchist waved him a dramatic farewell and strode off towards Waterloo Bridge, carefully jostling his infected body against as many people as possible. The Bacteriologist was so preoccupied with the vision of him that he scarcely manifested the slightest surprise at the appearance of Minnie upon the pavement with his hat and shoes and overcoat. "Very good of you to bring my things," he said, and remained lost in contemplation of the receding figure of the Anarchist.

"You had better get in," he said, still staring. Minnie felt absolutely convinced now that he was mad, and directed the cabman home on her own responsibility. "Put on my shoes? Certainly, dear," said he, as the cab began to turn, and hid the strutting black figure, now small in the distance, from his eyes. Then suddenly something grotesque struck him, and he laughed. Then he remarked, "It is really very serious, though."

"You see, that man came to my house to see me, and he is an Anarchist. No—don't faint, or I cannot possibly tell you the rest. And I wanted to astonish him, not knowing he was an Anarchist, and took up a cultivation of that new species of Bacterium I was telling you of, that infest, and I think cause, the blue patches upon various monkeys; and like a fool, I said it was Asiatic cholera. And he ran away with it to poison the water of London, and he certainly might have made things look blue for this civilized city. And now he has swallowed it. Of course, I cannot say what will happen, but you know it turned that kitten blue, and the three puppies—in patches, and the sparrow—bright blue. But the bother is, I shall have all the trouble and expense of preparing some more.

"Put on my coat on this hot day! Why? Because we might meet Mrs. Jabber. My dear, Mrs. Jabber is not a draught. But why should I wear a coat on a hot day because of Mrs. —? Oh! *very well.*"

The Stolen Bacillus and Other Incidents. 1895.

II

IN THE AVU OBSERVATORY

THE observatory at Avu, in Borneo, stands on the spur of the mountain. To the north rises the old crater, black at night against the unfathomable blue of the sky. From the little circular building, with its mushroom dome, the slopes plunge steeply downward into the black mysteries of the tropical forest beneath. The little house in which the observer and his assistant live is about fifty yards from the observatory, and beyond this are the huts of their native attendants.

Thaddy, the chief observer, was down with a slight fever. His assistant, Woodhouse, paused for a moment in silent contemplation of the tropical night, before commencing his solitary vigil. The night was very still. Now and then voices and laughter came from the native huts, or the cry of some strange animal was heard from the midst of the mystery of the forest. Nocturnal insects appeared in ghostly fashion out of the darkness, and fluttered round his light. He thought, perhaps, of all the possibilities of discovery that still lay in the black tangle beneath him ; for to the naturalist the virgin forests of Borneo are still a wonderland full of strange questions and half-suspected discoveries. Woodhouse carried a small lantern in his hand, and its yellow glow contrasted

vividly with the infinite series of tints between lavender-blue and black in which the landscape was painted. His hands and face were smeared with ointment against the attacks of the mosquitoes. Rub.

Even in these days of celestial photography, work done in a purely temporary erection, and with only the most primitive appliances in addition to the telescope, still involves a very large amount of cramped and motionless watching. He sighed as he thought of the physical fatigues before him, stretched himself, and entered the observatory.

The reader is probably familiar with the structure of an ordinary astronomical observatory. The building is usually cylindrical in shape, with a very light hemispherical roof capable of being turned round from the interior. The telescope is supported upon a stone pillar in the centre, and a clockwork arrangement compensates for the earth's rotation, and allows a star once found to be continuously observed. Besides this, there is a compact tracery of wheels and screws about its point of support, by which the astronomer adjusts it. There is, of course, a slit in the movable roof which follows the eye of the telescope in its survey of the heavens. The observer sits or lies on a sloping wooden arrangement, which he can wheel to any part of the observatory as the position of the telescope may require. Within it is advisable to have things as dark as possible, in order to enhance the brilliance of the stars observed.

The lantern flared as Woodhouse entered his circular den, and the general darkness fled into black shadows behind the big machine, from which it presently seemed to creep back over the whole place again as the light waned. The slit was a profound transparent blue, in which six stars shone with tropical brilliance, and their

light lay, a pallid gleam, along the black tube of the instrument. Woodhouse shifted the roof, and then proceeding to the telescope, turned first one wheel and then another, the great cylinder slowly swinging into a new position. Then he glanced through the finder, the little companion telescope, moved the roof a little more, made some further adjustments, and set the clockwork in motion. He took off his jacket, for the night was very hot, and pushed into position the uncomfortable seat to which he was condemned for the next four hours. Then with a sigh he resigned himself to his watch upon the mysteries of space.

There was no sound now in the observatory, and the lantern waned steadily. Outside there was the occasional cry of some animal in alarm or pain, or calling to its mate, and the intermittent sounds of the Malay and Dyak servants. Presently one of the men began a queer chanting song, in which the others joined at intervals. After this it would seem that they turned in for the night, for no further sound came from their direction, and the whispering stillness became more and more profound.

The clockwork ticked steadily. The shrill hum of a mosquito explored the place and grew shriller in indignation at Woodhouse's ointment. Then the lantern went out and all the observatory was black.

Woodhouse shifted his position presently, when the slow movement of the telescope had carried it beyond the limits of his comfort.

He was watching a little group of stars in the Milky Way, in one of which his chief had seen or fancied a remarkable colour variability. It was not a part of the regular work for which the establishment existed, and for that reason perhaps Woodhouse was deeply interested. He must have forgotten things terrestrial.

All his attention was concentrated upon the great blue circle of the telescope field—a circle powdered, so it seemed, with an innumerable multitude of stars, and all luminous against the blackness of its setting. As he watched he seemed to himself to become incorporeal, as if he too were floating in the ether of space. Infinitely remote was the faint red spot he was observing.

Suddenly the stars were blotted out. A flash of blackness passed, and they were visible again.

"Queer," said Woodhouse. "Must have been a bird."

The thing happened again, and immediately after the great tube shivered as though it had been struck. Then the dome of the observatory resounded with a series of thundering blows. The stars seemed to sweep aside as the telescope—which had been unclamped—swung round and away from the slit in the roof.

"Great Scott!" cried Woodhouse. "What's this?"

Some huge vague black shape, with a flapping something like a wing, seemed to be struggling in the aperture of the roof. In another moment the slit was clear again, and the luminous haze of the Milky Way shone warm and bright.

The interior of the roof was perfectly black, and only a scraping sound marked the whereabouts of the unknown creature.

Woodhouse had scrambled from the seat to his feet. He was trembling violently and in a perspiration with the suddenness of the occurrence. Was the thing, whatever it was, inside or out? It was big, whatever else it might be. Something shot across the skylight, and the telescope swayed. He started violently and put his arm up. It was in the observatory, then, with

him. It was clinging to the roof, apparently. What the devil was it? Could it see him?

He stood for perhaps a minute in a state of stupefaction. The beast, whatever it was, clawed at the interior of the dome, and then something flapped almost into his face, and he saw the momentary gleam of starlight on a skin like oiled leather. His water-bottle was knocked off his little table with a smash.

The sense of some strange bird-creature hovering a few yards from his face in the darkness was indescribably unpleasant to Woodhouse. As his thought returned he concluded that it must be some night-bird or large bat. At any risk he would see what it was, and pulling a match from his pocket, he tried to strike it on the telescope seat. There was a smoking streak of phosphorescent light, the match flared for a moment and he saw a vast wing sweeping towards him, a gleam of grey-brown fur, and then he was struck in the face and the match knocked out of his hand. The blow was aimed at his temple, and a claw tore sideways down to his cheek. He reeled and fell, and he heard the extinguished lantern smash. Another blow followed as he fell. He was partly stunned, he felt his own warm blood stream out upon his face. Instinctively he felt his eyes had been struck at, and, turning over on his face to protect them, tried to crawl under the protection of the telescope.

He was struck again upon the back, and he heard his jacket rip, and then the thing hit the roof of the observatory. He edged as far as he could between the wooden seat and the eyepiece of the instrument, and turned his body round so that it was chiefly his feet that were exposed. With these he could at least kick. He was still in a mystified state. The strange beast banged about in the darkness, and presently clung to



There was a smoking streak of phosphorescent light.

the telescope, making it sway and the gear rattle. Once it flapped near him, and he kicked out madly and felt a soft body with his feet. He was horribly scared now. It must be a big thing to swing the telescope like that. He saw for a moment the outline of a head black against the starlight, with sharply-pointed up-standing ears and a crest between them. It seemed to him to be as big as a mastiff's. Then he began to bawl out as loudly as he could for help.

At that the thing came down upon him again. As it did so his hand touched something beside him on the floor. He kicked out, and the next moment his ankle was gripped and held by a row of keen teeth. He yelled again, and tried to free his leg by kicking with the other. Then he realized he had the broken water-bottle at his hand, and, snatching it, he struggled into a sitting posture, and feeling in the darkness towards his foot, gripped a velvety ear, like the ear of a big cat. He had seized the water-bottle by its neck and brought it down with a shivering crash upon the head of the strange beast. He repeated the blow, and then stabbed and jabbed with the jagged end of it, in the darkness, where he judged the face might be.

The small teeth relaxed their hold, and at once Woodhouse pulled his leg free and kicked hard. He felt the sickening feel of fur and bone giving under his boot. There was a tearing bite at his arm, and he struck over it at the face, as he judged, and hit damp fur.

There was a pause ; then he heard the sound of claws and the dragging of a heavy body away from him over the observatory floor. Then there was silence, broken only by his own sobbing breathing, and a sound like licking. Everything was black ex-

cept the parallelogram of the blue skylight with the luminous dust of stars, against which the end of the telescope now appeared in silhouette. He waited, as it seemed, an interminable time.

Was the thing coming on again? He felt in his trouser-pocket for some matches, and found one remaining. He tried to strike this, but the floor was wet, and it spat and went out. He cursed. He could not see where the door was situated. In his struggle he had quite lost his bearings. The strange beast, disturbed by the splutter of the match, began to move again. "Time!" called Woodhouse, with a sudden gleam of mirth, but the thing was not coming at him again. He must have hurt it, he thought, with the broken bottle. He felt a dull pain in his ankle. Probably he was bleeding there. He wondered if it would support him if he tried to stand up. The night outside was very still. There was no sound of any one moving. The sleepy fools had not heard those wings battering upon the dome, nor his shouts. It was no good wasting strength in shouting. The monster flapped its wings and startled him into a defensive attitude. He hit his elbow against the seat, and it fell over with a crash. He cursed this, and then he cursed the darkness.

Suddenly the oblong patch of starlight seemed to sway to and fro. Was he going to faint? It would never do to faint. He clenched his fists and set his teeth to hold himself together. Where had the door got to? It occurred to him he could get his bearings by the stars visible through the skylight. The patch of stars he saw was in Sagittarius and south-eastward; the door was north—or was it north by west? He tried to think. If he could get the door open he might retreat. It might be the thing was wounded.

The suspense was beastly. "Look here!" he said, "if you don't come on, I shall come at you."

Then the thing began clambering up the side of the observatory, and he saw its black outline gradually blot out the skylight. Was it in retreat? He forgot about the door, and watched as the dome shifted and creaked. Somehow he did not feel very frightened or excited now. He felt a curious sinking sensation inside him. The sharply defined patch of light, with the black form moving across it, seemed to be growing smaller and smaller. That was curious. He began to feel very thirsty, and yet he did not feel inclined to get anything to drink. He seemed to be sliding down a long funnel.

He felt a burning sensation in his throat, and then he perceived it was broad daylight, and that one of the Dyak servants was looking at him with a curious expression. Then there was the top of Thaddy's face upside down. Funny fellow, Thaddy, to go about like that! Then he grasped the situation better, and perceived that his head was on Thaddy's knee, and Thaddy was giving him brandy. And then he saw the eyepiece of the telescope with a lot of red smears on it. He began to remember.

"You've made this observatory in a pretty mess," said Thaddy.

The Dyak boy was beating up an egg in brandy, Woodhouse took this and sat up. He felt, a sharp twinge of pain. His ankle was tied up, so were his arm and the side of his face. The smashed glass, red-stained, lay about the floor, the telescope seat was overturned, and by the opposite wall was a dark pool. The door was open, and he saw the grey summit of the mountain against a brilliant background of blue sky.

"Pah!" said Woodhouse. "Who's been killing calves here? Take me out of it."

Then he remembered the Thing, and the fight he had had with it.

"What *was* it?" he said to Thaddy—"The Thing I fought with?"

"You know that best," said Thaddy. "But, anyhow, don't worry yourself now about it. Have some more to drink."

Thaddy, however, was curious enough, and it was a hard struggle between duty and inclination to keep Woodhouse quiet until he was decently put away in bed, and had slept upon the copious dose of meat-extract Thaddy considered advisable. They then talked it over together.

"It was," said Woodhouse, "more like a big bat than anything else in the world. It had sharp, short ears, and soft fur, and its wings were leathery. Its teeth were little, but devilish sharp, and its jaw could not have been very strong or else it would have bitten through my ankle."

"It has pretty nearly," said Thaddy.

"It seemed to me to hit out with its claws pretty freely. That is about as much as I know about the beast. Our conversation was intimate, so to speak, and yet not confidential."

"The Dyak chaps talk about a Big Colugo, a Klang-ufang—whatever that may be. It does not often attack man, but I suppose you made it nervous. They say there is a Big Colugo, and a Little Colugo, and a something else that sounds like gobble. They all fly about at night. For my own part I know there are flying foxes and flying lemurs about here, but they are none of them very big beasts."

"There are more things in heaven and earth," said

Woodhouse—and Thaddy groaned at the quotation—
“and more particularly in the forests of Borneo, than
are dreamt of in our philosophies. On the whole, if
the Borneo fauna is going to disgorge any more of its
novelties upon me, I should prefer that it did so when
I was not occupied in the observatory at night and
alone.”

The Stolen Bacillus and Other Incidents. 1895.

III

THE TREASURE IN THE FOREST

THE canoe was now approaching the land. The bay opened out, and a gap in the white surf of the reef marked where the little river ran out to the sea ; the thicker and deeper green of the virgin forest showed its course down the distant hill slope. The forest here came close to the beach. Far beyond, dim and almost cloudlike in texture, rose the mountains, like suddenly frozen waves. The sea was still save for an almost imperceptible swell. The sky blazed.

The man with the carved paddle stopped. "It should be somewhere here," he said. He shipped the paddle and held his arms out straight before him.

The other man had been in the fore part of the canoe, closely scrutinizing the land. He had a sheet of yellow paper on his knee.

"Come and look at this, Evans," he said.

Both men spoke in low tones, and their lips were hard and dry.

The man called Evans came swaying along the canoe until he could look over his companion's shoulder.

The paper had the appearance of a rough map. By much folding it was creased and worn to the pitch of separation, and the second man held the discoloured

fragments together where they had parted. On it one could dimly make out, in almost obliterated pencil, the outline of the bay.

"Here," said Evans, "is the reef and here is the gap." He ran his thumb-nail over the chart.

"This curved and twisting line is the river—I could do with a drink now!—and this star is the place."

"You see this dotted line," said the man with the map; "it is a straight line, and runs from the opening of the reef to a clump of palm-trees. The star comes just where it cuts the river. We must mark the place as we go into the lagoon."

"It's queer," said Evans, after a pause, "what these little marks down here are for. It looks like the plan of a house or something; but what all these little dashes, pointing this way and that, may mean I can't get a notion. And what's the writing?"

"Chinese," said the man with the map.

"Of course! *He* was a Chinese," said Evans.

"They all were," said the man with the map.

They both sat for some minutes staring at the land, while the canoe drifted slowly. Then Evans looked towards the paddle.

"Your turn with the paddle now, Hooker," said he.

And his companion quietly folded up his map, put it in his pocket, passed Evans carefully, and began to paddle. His movements were languid, like those of a man whose strength was nearly exhausted.

Evans sat with his eyes half closed, watching the frothy breakwater of the coral creep nearer and nearer. The sky was like a furnace now, for the sun was near the zenith. Though they were so near the Treasure he did not feel the exaltation he had anticipated. The intense excitement of the struggle for the plan, and the long night voyage from the mainland in the un-

provisioned canoe had, to use his own expression, "taken it out of him." He tried to arouse himself by directing his mind to the ingots the Chinamen had spoken of, but it would not rest there; it came back headlong to the thought of sweet water rippling in the river, and to the almost unendurable dryness of his lips and throat. The rhythmic wash of the sea upon the reef was becoming audible now, and it had a pleasant sound in his ears; the water washed along the side of the canoe, and the paddle dripped between each stroke. Presently he began to doze.

He was still dimly conscious of the island, but a queer dream texture interwove with his sensations. Once again it was the night when he and Hooker had hit upon the Chinamen's secret; he saw the moonlit trees, the little fire burning, and the black figures of the three Chinamen—silvered on one side by moonlight, and on the other glowing from the firelight—and heard them talking together in pigeon-English—for they came from different provinces. Hooker had caught the drift of their talk first, and had motioned to him to listen. Fragments of the conversation were inaudible and fragments incomprehensible. A Spanish galleon from the Philippines hopelessly aground, and its treasure buried against the day of return, lay in the background of the story; a shipwrecked crew thinned by disease, a quarrel or so, and the needs of discipline, and at last taking to their boats never to be heard of again. Then Chang-hi, only a year since, wandering ashore, had happened upon the ingots hidden for two hundred years, had deserted his junk, and reburied them with infinite toil, single-handed but very safe. He laid great stress on the safety—it was a secret of his. Now he wanted help to return and exhume them. Presently the little map fluttered and the voices sank.

A fine story for two stranded British wastrels to hear ! Evans' dream shifted to the moment when he had Chang-hi's pigtail in his hand. The life of a Chinaman is scarcely sacred like a European's. The cunning little face of Chang-hi, first keen and furious like a startled snake, and then fearful, treacherous and pitiful, became overwhelmingly prominent in the dream. At the end Chang-hi had grinned, a most incomprehensible and startling grin. Abruptly things became very unpleasant, as they will do at times in dreams. Chang-hi gibbered and threatened him. He saw in his dream heaps and heaps of gold, and Chang-hi intervening and struggling to hold him back from it. He took Chang-hi by the pigtail—how big the yellow brute was, and how he struggled and grinned ! He kept growing bigger, too. Then the bright heaps of gold turned to a roaring furnace, and a vast devil, surprisingly like Chang-hi, but with a huge black tail, began to feed him with coals. They burnt his mouth horribly. Another devil was shouting his name : " Evans, Evans, you sleepy fool ! "—or was it Hooker ?

He woke up. They were in the mouth of the lagoon.

" There are the three palm-trees. It must be in a line with that clump of bushes," said his companion. " Mark that. If we go to those bushes and then strike into the bush in a straight line from here, we shall come to it when we come to the stream."

They could see now where the mouth of the stream opened out. At the sight of it Evans revived. " Hurry up, man," he said, " Or by heaven I shall have to drink sea water ! " He gnawed his hand and stared at the gleam of silver among the rocks and green tangle.

Presently he turned almost fiercely upon Hooker. "Give *me* the paddle," he said.

So they reached the river mouth. A little way up Hooker took some water in the hollow of his hand, tasted it, and spat it out. A little further he tried again. "This will do," he said, and they began drinking eagerly.

"Curse this!" said Evans, suddenly. "It's too slow." And, leaning dangerously over the fore part of the canoe, he began to suck up the water with his lips.

Presently they made an end of drinking, and, running the canoe into a little creek, were about to land among the thick growth that overhung the water.

"We shall have to scramble through this to the beach to find our bushes and get the line to the place," said Evans.

"We had better paddle round," said Hooker.

So they pushed out again into the river and paddled back down it to the sea, and along the shore to the place where the clump of bushes grew. Here they landed, pulled the light canoe far up the beach, and then went up towards the edge of the jungle until they could see the opening of the reef and the bushes in a straight line. Evans had taken a native implement out of the canoe. It was L-shaped, and the transverse piece was armed with polished stone. Hooker carried the paddle. "It is straight now in this direction," said he; "we must push through this till we strike the stream. Then we must prospect."

They pushed through a close tangle of reeds, broad fronds, and young trees, and at first it was toilsome going, but very speedily the trees became larger and the ground beneath them opened out. The blaze of the sunlight was replaced by insensible degrees by cool

shadow. The trees became at last vast pillars that rose up to a canopy of greenery far overhead. Dim white flowers hung from their stems, and ropy creepers swung from tree to tree. The shadow deepened. On the ground, blotched fungi and a red-brown incrustation became frequent.

Evans shivered. "It seems almost cold here after the blaze outside."

"I hope we are keeping to the straight," said Hooker.

Presently they saw, far ahead, a gap in the sombre darkness where white shafts of hot sunlight smote into the forest. There also was brilliant green undergrowth, and coloured flowers. Then they heard the rush of water.

"Here is the river. We should be close to it now," said Hooker.

The vegetation was thick by the river bank. Great plants, as yet unnamed, grew among the roots of the big trees, and spread rosettes of huge green fans towards the strip of sky. Many flowers and a creeper with shiny foliage clung to the exposed stems. On the water of the broad, quiet pool which the treasure seekers now overlooked there floated big oval leaves and a waxen, pinkish-white flower not unlike a water-lily. Further, as the river bent away from them, the water suddenly frothed and became noisy in a rapid.

"Well?" said Evans.

"We have swerved a little from the straight," said Hooker. "That was to be expected."

He turned and looked into the dim cool shadows of the silent forest behind them. "If we beat a little way up and down the stream we should come to something."

"You said——" began Evans.

"*He* said there was a heap of stones," said Hooker. The two men looked at each other for a moment.

"Let us try a little down-stream first," said Evans. They advanced slowly, looking curiously about them. Suddenly Evans stopped. "What the devil's that?" he said.

Hooker followed his finger. "Something blue," he said. It had come into view as they topped a gentle swell of the ground. Then he began to distinguish what it was.

He advanced suddenly with hasty steps, until the body that belonged to the limp hand and arm had become visible. His grip tightened on the implement he carried. The thing was the figure of a Chinaman lying on his face. The abandon of the pose was unmistakable.

The two men drew closer together, and stood staring silently at this ominous dead body. It lay in a clear space among the trees. Near by was a spade after the Chinese pattern, and further off lay a scattered heap of stones, close to a freshly dug hole.

"Somebody has been here before," said Hooker, clearing his throat.

Then suddenly Evans began to swear and rave, and stamp upon the ground.

Hooker turned white but said nothing. He advanced towards the prostrate body. He saw the neck was puffed and purple, and the hands and ankles swollen. "Pah!" he said, and suddenly turned away and went towards the excavation. He gave a cry of surprise. He shouted to Evans, who was following him slowly.

"You fool! It's all right. It's here still." Then he turned again and looked at the dead Chinaman, and then again at the hole.

Evans hurried to the hole. Already half exposed by the ill-fated wretch beside them lay a number of dull yellow bars. He bent down in the hole, and, clearing off the soil with his bare hands, hastily pulled one of the heavy masses out. As he did so a little thorn pricked his hand. He pulled the delicate spike out with his fingers and lifted the ingot.

"Only gold or lead could weigh like this," he said exultantly.

Hooker was still looking at the dead Chinaman. He was puzzled.

"He stole a march on his friends," he said at last. "He came here alone, and some poisonous snake has killed him. . . . I wonder how he found the place."

Evans stood with the ingot in his hands. What did a dead Chinaman signify? "We shall have to take this stuff to the mainland piecemeal, and bury it there for a while. How shall we get it to the canoe?"

He took his jacket off and spread it on the ground, and flung two or three ingots into it. Presently he found that another little thorn had punctured his skin.

"This is as much as we can carry," said he. Then suddenly, with a queer rush of irritation, "What are you staring at?"

Hooker turned to him. "I can't stand . . . him." He nodded towards the corpse. "It's so like——"

"Rubbish!" said Evans. "All Chinamen are alike."

Hooker looked into his face. "I'm going to bury *that*, anyhow, before I lend a hand with this stuff."

"Don't be a fool, Hooker," said Evans. "Let that mass of corruption bide."

Hooker hesitated, and then his eye went carefully over the brown soil about them. "It scares me somehow," he said.

"The thing is," said Evans, "what to do with these ingots. Shall we re-bury them over here, or take them across the strait in the canoe?"

Hooker thought. His puzzled gaze wandered among the tall tree-trunks, and up into the remote sunlit greenery overhead. He shivered again as his eye rested upon the blue figure of the Chinaman. He stared searchingly among the grey depths between the trees.

"What's come to you, Hooker?" said Evans. "Have you lost your wits?"

"Let's get the gold out of this place, anyhow," said Hooker.

He took the ends of the collar of the coat in his hands, and Evans took the opposite corners, and they lifted the mass. "Which way?" said Evans. "To the canoe?"

"It's queer," said Evans, when they had advanced only a few steps, "but my arms ache still with that paddling."

"Curse it!" he said. "But they ache! I must rest."

They let the coat down. Evans' face was white, and little drops of sweat stood out upon his forehead. "It's stuffy, somehow, in this forest."

Then with an abrupt transition to unreasonable anger: "What is the good of waiting here all the day? Lend a hand, I say! You have done nothing but moon since we saw the dead Chinaman."

Hooker was looking steadfastly at his companion's face. He helped raise the coat bearing the ingots, and they went forward perhaps a hundred yards in silence. Evans began to breathe heavily. "Can't you speak?" he said.

"What's the matter with you?" said Hooker.

Evans stumbled, and then with a sudden curse flung the coat from him. He stood for a moment staring at Hooker, and then with a groan clutched at his own throat.

"Don't come near me," he said, and went and leant against a tree. Then in a steadier voice, "I'll be better in a minute."

Presently his grip upon the trunk loosened, and he slipped slowly down the stem of the tree until he was a crumpled heap at its foot. His hands were clenched convulsively. His face became distorted with pain. Hooker approached him.

"Don't touch me! Don't touch me!" said Evans in a stifled voice. "Put the gold back on the coat."

"Can't I do anything for you?" said Hooker.

"Put the gold back on the coat."

As Hooker handled the ingots he felt a little prick on the ball of his thumb. He looked at his hand and saw a slender thorn, perhaps two inches in length.

Evans gave an inarticulate cry and rolled over.

Hooker's jaw dropped. He stared at the thorn for a moment with dilated eyes. Then he looked at Evans, who was now crumpled together on the ground, his back bending and straitening spasmodically. Then he looked through the pillars of the trees and net-work of creeper stems, to where in the dim grey shadow the blue-clad body of the Chinaman was still indistinctly visible. He thought of the little dashes in the corner of the plan, and in a moment he understood.

"God help me!" he said. For the thorns were similar to those the Dyaks poison and use in their blowing-tubes. He understood now what Chang-hi's assurance of the safety of his treasure meant. He understood that grin now.

"Evans!" he cried.

But Evans was silent and motionless now, save for a horrible spasmodic twitching of his limbs. A profound silence brooded over the forest.

Then Hooker began to suck furiously at the little pink spot on the ball of his thumb—sucking for dear life. Presently he felt a strange aching pain in his arms and shoulders, and his fingers seemed difficult to bend. Then he knew that sucking was no good.

Abruptly he stopped, and sitting down by the pile of ingots, and resting his chin upon his hands and his elbows upon his knees, stared at the distorted but still stirring body of his companion. Chang-hi's grin came in his mind again. The dull pain spread towards his throat and grew slowly in intensity. Far above him a faint breeze stirred the greenery, and the white petals of some unknown flower came floating down through the gloom.

The Stolen Bacillus and Other Incidents. 1895.

IV

THE EMPIRE OF THE ANTS

§ I

WHEN Captain Gerilleau received instructions to take his new gunboat, the *Benjamin Constant*, to Badama on the Batemo arm of the Guaramadema and there assist the inhabitants against a plague of ants, he suspected the authorities of mockery. His promotion had been romantic and irregular, the affections of a prominent Brazilian lady and the captain's liquid eyes had played a part in the process, and the *Diario* and *O Futuro* had been lamentably disrespectful in their comments. He felt he was to give further occasion for disrespect.

He was a Creole, his conceptions of etiquette and discipline were pure-blooded Portuguese, and it was only to Holroyd, the Lancashire engineer who had come over with the boat, and as an exercise in the use of English—his "th" sounds were very uncertain—that he opened his heart.

"It is in effect," he said, "to make me absurd! What can a man do against ants? Dey come, dey go."

"They say," said Holroyd, "that these don't go. That chap you said was a Sambo——"

‘Zambo—it is a sort of mixture of blood.’

“Sambo. He said the people are going!”

The captain smoked fretfully for a time. “Dese tings ’ave to happen,” he said at last. “What is it? Plagues of ants and suchlike as God wills. Dere was a plague in Trinidad—the little ants that carry leaves. Orl der orange-trees, all der mangoes! What does it matter? Sometimes ant armies come into your houses—fighting ants; a different sort. You go and they clean the house. Then you come back again; the house is clean, like new! No cockroaches, no fleas, no jiggers in the floor.”

“That Sambo chap,” said Holroyd, “says these are a different sort of ant.”

The captain shrugged his shoulders, fumed, and gave his attention to a cigarette.

Afterwards he re-opened the subject. “My dear ‘Olroyd, what am I to do about dese infernal ants?”

The captain reflected. “It is ridiculous,” he said. But in the afternoon he put on his full uniform and went ashore, and jars and boxes came back to the ship and subsequently he did. And Holroyd sat on deck in the evening coolness and smoked profoundly and marvelled at Brazil. They were six days up the Amazon, some hundreds of miles from the ocean, and east and west of him there was a horizon like the sea, and to the south nothing but a sand-bank island with some tufts of scrub. The water was always running like a sluice, thick with dirt, animated with crocodiles and hovering birds, and fed by some inexhaustible source of tree trunks; and the waste of it, the head-long waste of it, filled his soul. The town of Alemquer, with its meagre church, its thatched sheds for houses, its discoloured ruins of ampler days, seem a little thing lost in this wilderness of Nature, a sixpence

dropped on Sahara. He was a young man, this was his first sight of the tropics, he came straight from England, where Nature is hedged, ditched, and drained into the perfection of submission, and he had suddenly discovered the insignificance of man. For six days they had been steaming up from the sea by unfrequented channels, and man had been as rare as a rare butterfly. One saw one day a canoe, another day a distant station, the next no men at all. He began to perceive that man is indeed a rare animal, having but a precarious hold upon this land.

He perceived it more clearly as the days passed, and he made his devious way to the Batemo, in the company of this remarkable commander, who ruled over one big gun, and was forbidden to waste his ammunition. Holroyd was learning Spanish industriously, but he was still in the present tense and substantive stage of speech, and the only other person who had any words of English was a negro stoker, who had them all wrong. The second in command was a Portuguese da Cunha, who spoke French, but it was a different sort of French from the French Holroyd had learned in Southport, and their intercourse was confined to politenesses and simple propositions about the weather. And the weather, like everything else in this amazing new world, the weather had no human aspect and was hot by night and hot by day, and the air steam, even the wind was hot steam, smelling of vegetation in decay: and the alligators and the strange birds, the flies of many sorts and sizes, the beetles, the ants, the snakes and monkeys seemed to wonder what man was doing in an atmosphere that had no gladness in its sunshine and no coolness in its night. To wear clothing was intolerable, but to cast it aside was to scorch by day, and expose an

ampler area to the mosquitoes by night ; to go on deck by day was to be blinded by glare and to stay below was to suffocate. And in the daytime came certain flies, extremely clever and noxious, about one's wrist and ankle. Captain Gerilleau, who was Holroyd's sole distraction from these physical distresses, developed into a formidable bore, telling the simple story of his heart's affections day by day, a string of anonymous women, as if he was telling beads. Sometimes he suggested sport, and they shot at alligators, and at rare intervals they came to human aggregations in the waste of trees, and stayed for a day or so, and drank and sat about ; and, one night, danced with Creole girls, who found Holroyd's poor elements of Spanish, without either past tense or future, amply sufficient for their purposes. But these were mere luminous chinks in the long grey passage of the streaming river, up which the throbbing engines beat. A certain liberal heathen deity, in the shape of a demi-john, held seductive court aft, and, it is probable, forward.

But Gerilleau learned things about the ants, more things and more, at this stopping-place and that and became interested in his mission.

" Dey are a new sort of ant," he said. " We have got to be—what do you call it?—entomologie? Big. Five centimetres ! Some bigger ! It is ridiculous. We are like the monkeys—sent to pick insects. . . . But dey are eating up the country."

He burst out indignantly. " Suppose—suddenly, there are complications with Europe. Here am I—soon we shall be above the Rio Negro—and my gun, useless ! "

He nursed his knee and mused.

" Dose people who were dere at de dancing-place,

dey 'ave come down. Dey 'ave lost all they got. De ants come to deir house one afternoon. Every one run out. You know when de ants come one must—every one runs out and they go over the house. If you stayed they'd eat you. See? Well, presently dey go back: dey say, 'The ants 'ave gone.' . . . De ants 'aven't gone. Dey try to go in—de son, 'e goes in. De ants fight."

"Swarm over him?"

"Bite 'im. Presently he comes out again—screaming and running. He runs past them to the river. See? He get into de water and drowns de ants—yes." Gerilleau paused, brought his liquid eyes close to Holroyd's face, tapped Holroyd's knee with his knuckle. "That night he dies, just as if he was stung by a snake."

"Poisoned—by the ants?"

"Who knows?" Gerilleau shrugged his shoulders. "Perhaps they bit him badly. . . . When I joined dis service I joined to fight men. Dese things, dese ants, dey come and go. It is no business for men."

After that he talked frequently of the ants to Holroyd, and whenever they chanced to drift against any speck of humanity in that waste of water and sunshine and distant trees, Holroyd's improving knowledge of the language enabled him to recognize the ascendant word *Saüba*, more and more completely dominating the whole.

He perceived the ants were becoming interesting, and the nearer he drew to them the more interesting they became. Gerilleau abandoned his old themes almost suddenly, and the Portuguese lieutenant became a conversational figure; he knew something about the leaf-cutting ant, and expanded his knowledge. Gerilleau sometimes rendered what he had to

tell to Holroyd. He told of the little workers that swarm and fight, and the big workers that command and rule, and how these latter always crawled to the neck and how their bites drew blood. He told how they cut leaves and made fungus beds, and how their nests in Caracas are sometimes a hundred yards across. Two days the three men spent disputing whether ants have eyes. The discussion grew dangerously heated on the second afternoon, and Holroyd saved the situation by going ashore in a boat to catch ants and see. He captured various specimens and returned, and some had eyes and some hadn't. Also, they argued, do ants bite or sting?

"Dese ants," said Gerilleau, after collecting information at a rancho, "have big eyes. They don't run about blind—not as most ants do. No! Dey get in corners and watch what you do."

"And they sting?" asked Holroyd.

"Yes. Dey sting. Dere is poison in the sting." He meditated. "I do not see what men can do against ants. Dey come and go."

"But these don't go."

"They will," said Gerilleau.

Past Tamandu there is a long low coast of eighty miles without any population, and then one comes to the confluence of the main river and the Batemo arm like a great lake, and then the forest came nearer, came at last intimately near. The character of the channel changes, snags abound, and the *Benjamin Constant* moored by a cable that night, under the very shadow of dark trees. For the first time for many days came a spell of coolness, and Holroyd and Gerilleau sat late, smoking cigars and enjoying this delicious sensation. Gerilleau's mind was full of ants and what they could do. He decided to sleep at last, and lay

down on a mattress on deck, a man hopelessly perplexed; his last words, when he already seemed asleep, were to ask, with a flourish of despair, "What can one do with ants? . . . De whole thing is absurd."

Holroyd was left to scratch his bitten wrists, and meditate alone.

He sat on the bulwark and listened to the changes in Gerilleau's breathing until he was fast asleep, and then the ripple and lap of the stream took his mind, and brought back that sense of immensity that had been growing upon him since first he had left Para and come up the river. The monitor showed but one small light, and there was first a little talking forward and then stillness. His eyes went from the dim black outlines of the middle works of the gunboat towards the bank, to the black overwhelming mysteries of forest, lit now and then by a firefly, and never still from the murmur of alien and mysterious activities. . . .

It was the inhuman immensity of this land that astonished and oppressed him. He knew the skies were empty of men, the stars were specks in an incredible vastness of space; he knew the ocean was enormous and untamable, but in England he had come to think of the land as man's. In England it is indeed man's, the wild things live by sufferance, grow on lease, everywhere the roads, the fences, and absolute security runs. In an atlas, too, the land is man's, and all coloured to show his claim to it—in vivid contrast to the universal independent blueness of the sea. He had taken it for granted that a day would come when everywhere about the earth, plough and culture, light tramways, and good roads, an ordered security, would prevail. But now, he doubted.

This forest was interminable, it had an air of being

invincible, and Man seemed at best an infrequent precarious intruder. One travelled for miles amidst the still, silent struggle of giant trees, of strangulating creepers, of assertive flowers, everywhere the alligator, the turtle, and endless varieties of birds and insects seemed at home, dwelt irreplaceably—but man, man at most held a footing upon resentful clearings, fought weeds, fought beasts and insects for the barest foothold, fell a prey to snake and beast, insect and fever, and was presently carried away. In many places down the river he had been manifestly driven back, this deserted creek or that preserved the name of a *casa*, and here and there ruinous white walls and a shattered tower enforced the lesson. The puma, the jaguar, were more the masters here. . . .

Who were the real masters ?

In a few miles of this forest there must be more ants than there are men in the whole world ! This seemed to Holroyd a perfectly new idea. In a few thousand years men had emerged from barbarism to a stage of civilization that made them feel lords of the future and masters of the earth ! But what was to prevent the ants evolving also ? Such ants as one knew lived in little communities of a few thousand individuals, made no concerted efforts against the greater world. But they had a language, they had an intelligence ! Why should things stop at that any more than men had stopped at the barbaric stage ? Suppose presently the ants began to store knowledge, just as men had done by means of books and records, use weapons, form great empires, sustain a planned and organized war ?

Things came back to him that Gerilleau had gathered about these ants they were approaching. They used a poison like the poison of snakes. They

obeyed greater leaders even as the leaf-cutting ants do. They were carnivorous, and where they came they stayed. . . .

The forest was very still. The water lapped incessantly against the side. About the lantern overhead there eddied a noiseless whirl of phantom moths.

Gerilleau stirred in the darkness and sighed. "What can one *do*?" he murmured, and turned over and was still again.

Holroyd was roused from meditations that were becoming sinister by the hum of a mosquito.

§ 2

The next morning Holroyd learned they were within forty kilometres of Badama, and his interest in the banks intensified. He came up whenever an opportunity offered to examine his surroundings. He could see no signs of human occupation whatever, save for a weedy ruin of a house and the green-stained façade of the long-deserted monastery at Mojû, with a forest tree growing out of a vacant window space, and great creepers netted across its vacant portals. Several flights of strange yellow butterflies with semi-transparent wings crossed the river that morning, and many alighted on the monitor and were killed by the men. It was towards afternoon that they came upon the derelict cuberta.

She did not at first appear to be derelict; both her sails were set and hanging slack in the afternoon calm, and there was the figure of a man sitting on the fore planking beside the shipped sweeps. Another man appeared to be sleeping face downwards on the sort of longitudinal bridge these big canoes have in the

waist. But it was presently apparent, from the sway of her rudder and the way she drifted into the course of the gunboat, that something was out of order with her. Gerilleau surveyed her through a field-glass, and became interested in the queer darkness of the face of the sitting man, a red-faced man he seemed, without a nose—crouching he was rather than sitting, and the longer the captain looked the less he liked to look at him, and the less able he was to take his glasses away.

But he did so at last, and went a little way to call up Holroyd. Then he went back to hail the cuberta. He hailed her again, and so she drove past him. *Santa Rosa* stood out clearly as her name.

As she came by and into the wake of the monitor, she pitched a little, and suddenly the figure of the crouching man collapsed as though all its joints had given way. His hat fell off, his head was not nice to look at, and his body flopped lax and rolled out of sight behind the bulwarks.

"Caramba!" cried Gerilleau, and resorted to Holroyd forthwith.

Holroyd was half-way up the companion. "Did you see dat?" said the captain.

"Dead!" said Holroyd. "Yes. You'd better send a boat aboard. There's something wrong."

"Did you—by any chance—see his face?"

"What was it like?"

"It was—ugh!—I have no words." And the captain suddenly turned his back on Holroyd and became an active and strident commander.

The gunboat came about, steamed parallel to the erratic course of the canoe, and dropped the boat with Lieutenant da Cunha and three sailors to board her. Then the curiosity of the captain made him draw up almost alongside as the lieutenant got aboard,

so that the whole of the *Santa Rosa*, deck and hold, was visible to Holroyd.

He saw now clearly that the sole crew of the vessel was these two dead men, and though he could not see their faces, he saw by their outstretched hands, which were all of ragged flesh, that they had been subjected to some strange exceptional process of decay. For a moment his attention concentrated on those two enigmatical bundles of dirty clothes and laxly flung limbs, and then his eyes went forward to discover the open hold piled high with trunks and cases, and aft, to where the little cabin gaped inexplicably empty. Then he became aware that the planks of the middle decking were dotted with moving black specks.

His attention was riveted by these specks. They were all walking in directions radiating from the fallen man in a manner—the image came unsought to his mind—like the crowd dispersing from a bull-fight.

He became aware of Gerilleau beside him. "Capo," he said, "have you your glasses? Can you focus as closely as those planks there?"

Gerilleau made an effort, grunted, and handed him the glasses.

There followed a moment of scrutiny. "It's ants," said the Englishman, and handed the focused field-glasses back to Gerilleau.

His impression of them was of a crowd of large black ants, very like ordinary ants except for their size, and for the fact that some of the larger of them bore a sort of clothing of grey. But at the time his inspection was too brief for particulars. The head of Lieutenant da Cunha appeared over the side of the cuberta, and a brief colloquy ensued.

"You must go aboard," said Gerilleau.

The lieutenant objected that the boat was full of ants.

"You have your boots," said Gerilleau.

The lieutenant changed the subject. "How did these men die?" he asked.

Captain Gerilleau embarked upon speculations that Holroyd could not follow, and the two men disputed with a certain increasing vehemence. Holroyd took up the field-glass and resumed his scrutiny, first of the ants and then of the dead man amidships.

He has described these ants to me very particularly.

He says they were as large as any ants he has ever seen, black and moving with a steady deliberation very different from the mechanical fussiness of the common ant. About one in twenty was much larger than its fellows, and with an exceptionally large head. These reminded him at once of the master workers who are said to rule over the leaf-cutter ants; like them they seemed to be directing and co-ordinating the general movements. They tilted their bodies back in a manner altogether singular as if they made some use of the forefeet. And he had a curious fancy, that he was too far off to verify, that most of these ants of both kinds were wearing accoutrements, had things strapped about their bodies by bright white bands like white metal threads. . . .

He put down the glasses abruptly, realizing that the question of discipline between the captain and his subordinate had become acute.

"It is your duty," said the captain, "to go aboard. It is my instructions."

The lieutenant seemed on the verge of refusing. The head of one of the mulatto sailors appeared beside him.

"I believe these men were killed by the ants," said Holroyd abruptly in English.

The captain burst into a rage. He made no answer to Holroyd. "I have commanded you to go aboard," he screamed to his subordinate in Portuguese. "If you do not go aboard forthwith it is mutiny—rank mutiny. Mutiny and cowardice! Where is the courage that should animate us? I will have you in irons, I will have you shot like a dog." He began a torrent of abuse and curses, he danced to and fro. He shook his fists, he behaved as if beside himself with rage, and the lieutenant, white and still, stood looking at him. The crew appeared forward, with amazed faces.

Suddenly, in a pause of this outbreak, the lieutenant came to some heroic decision, saluted, drew himself together and clambered upon the deck of the cuberta.

"Ah!" said Gerilleau, and his mouth shut like a trap. Holroyd saw the ants retreating before da Cunha's boots. The Portuguese walked slowly to the fallen man, stooped down, hesitated, clutched his coat and turned him over. A black swarm of ants rushed out of the clothes, and da Cunha stepped back very quickly and trod two or three times on the deck.

Holroyd put up the glasses. He saw the scattered ants about the invader's feet, and doing what he had never seen ants doing before. They had nothing of the blind movements of the common ant; they were looking at him—as a rallying crowd of men might look at some gigantic monster that had dispersed it.

"How did he die?" the captain shouted.

Holroyd understood the Portuguese to say the body was too much eaten to tell.

"What is there forward?" asked Gerilleau.

The lieutenant walked a few paces, and began his answer in Portuguese. He stopped abruptly and beat off something from his leg. He made some peculiar steps as if he was trying to stamp on something

invisible, and went quickly towards the side. Then he controlled himself, turned about, walked deliberately forward to the hold, clambered up to the fore decking, from which the sweeps are worked, stooped for a time over the second man, groaned audibly, and made his way back and aft to the cabin, moving very rigidly. He turned and began a conversation with his captain, cold and respectful in tone on either side, contrasting vividly with the wrath and insult of a few moments before. Holroyd gathered only fragments of its purport.

He reverted to the field-glass, and was surprised to find the ants had vanished from all the exposed surfaces of the deck. He turned towards the shadows beneath the decking, and it seemed to him they were full of watching eyes.

The cuberta, it was agreed, was derelict, but too full of ants to put men aboard to sit and sleep: it must be towed. The lieutenant went forward to take in and adjust the cable, and the men in the boat stood up to be ready to help him. Holroyd's glasses searched the canoe.

He became more and more impressed by the fact that a great if minute and furtive activity was going on. He perceived that a number of gigantic ants—they seemed nearly a couple of inches in length—carrying oddly shaped burthens for which he could imagine no use—were moving in rushes from one point of obscurity to another. They did not move in columns across the exposed places, but in open, spaced-out lines, oddly suggestive of the rushes of modern infantry advancing under fire. A number were taking cover under the dead man's clothes, and a perfect swarm was gathering along the side over which da Cunha must presently go.

He did not see them actually rush for the lieutenant as he returned, but he has no doubt they did make a concerted rush. Suddenly the lieutenant was shouting and cursing and beating at his legs. "I'm stung!" he shouted, with a face of hate and accusation towards Gerilleau.

Then he vanished over the side, dropped into his boat, and plunged at once into the water. Holroyd heard the splash.

The three men in the boat pulled him out and brought him aboard, and that night he died.

The Time Machine and other Stories. 1895.

ÆPYORNIS ISLAND

THE man with the scarred face leant over the table and looked at my bundle.

"Orchids?" he asked.

"A few," I said.

"Cypripediums," he said.

"Chiefly," said I.

"Anything new? I thought not. I did these islands twenty-five—twenty-seven years ago. If you find anything new here—well, it's brand new. I didn't leave much."

"I'm not a collector," said I.

"I was young then," he went on. "Lord! how I used to fly round." He seemed to take my measure.

"I was in the East Indies two years and in Brazil seven. Then I went to Madagascar."

"I know a few explorers by name," I said, anticipating a yarn. "Whom did you collect for?"

"Dawson's. I wonder if you've heard the name of Butcher ever?"

"Butcher—Butcher?" The name seemed vaguely present in my memory; then I recalled *Butcher v. Dawson*. "Why!" said I, "you are the man who sued them for four years' salary—got cast away on a desert island. . . ."

"Your servant," said the man with the scar, bowing. "Funny case, wasn't it? Here was me, making a little fortune on that island, doing nothing for it neither, and them quite unable to give me notice. It often used to amuse me thinking over it while I was there. I did calculations of it—big—all over the blessed atoll in ornamental figuring."

"How did it happen?" said I. "I don't rightly remember the case."

"Well. . . . You've heard of the *Æpyornis*?"

"Rather. Andrews was telling me of a new species he was working on only a month or so ago. Just before I sailed. They're got a thigh-bone, it seems, nearly a yard long. Monster the thing must have been!"

"I believe you," said the man with the scar. "It *was* a monster. Sindbad's roc was just a legend of 'em. But when did they find these bones?"

"Three or four years ago—'91, I fancy. Why?"

"Why? Because *I* found them—Lord!—it's nearly twenty years ago. If Dawson's hadn't been silly about that salary they might have made a perfect ring in 'em. . . . *I* couldn't help the infernal boat going adrift."

He paused. "I suppose it's the same place. A kind of swamp about ninety miles north of Antananarivo. Do you happen to know? You have to go to it along the coast by boats. You don't happen to remember, perhaps?"

"I don't. I fancy Andrews said something about a swamp."

"It must be the same. It's on the east coast. And somehow there's something in the water that keeps things from decaying. Like creosote it smells. It reminded me of Trinidad. Did they get any more

eggs? Some of the eggs I found were a foot and a half long. The swamp goes circling round, you know, and cuts off this bit. It's mostly salt, too. Well. . . . What a time I had of it! I found the things quite by accident. We went for eggs, me and two native chaps, in one of those rum canoes all tied together, and found the bones at the same time. We had a tent and provisions for four days, and we pitched on one of the firmer places. To think of it brings that odd tarry smell back even now. It's funny work. You go probing into the mud with iron rods, you know. Usually the egg gets smashed. I wonder how long it is since these *Æpyornises* really lived. The missionaries say the natives have legends about when they were alive, but I never heard any such stories myself.* But certainly those eggs we got were as fresh as if they had been new laid. Fresh! Carrying them down to the boat one of my nigger chaps dropped one on a rock and it smashed. How I lammed into the beggar! But sweet it was, as if it was new laid, not even smelly, and its mother dead these four hundred years, perhaps. Said a centipede had bit him. However, I'm getting off the straight with the story. It had taken us all day to dig into the slush and get these eggs out unbroken, and we were all covered with beastly black mud, and naturally I was cross. So far as I knew they were the only eggs that have ever been got out not even cracked. I went afterwards to see the ones they have at the Natural History Museum in London; all of them were cracked and just stuck together like a mosaic, and bits missing. Mine were perfect, and I meant to blow them when I got back. Naturally I was annoyed at the silly

* No European is known to have seen a live *Æpyornis*, with the doubtful exception of Macer, who visited Madagascar in 1745.—H. G. W.

duffer dropping three hours' work just on account of a centipede. I hit him about rather."

The man with the scar took out a clay pipe. I placed my pouch before him. He filled up absent-mindedly.

"How about the others? Did you get those home? I don't remember——"

"That's the queer part of the story. I had three others. Perfectly fresh eggs. Well, we put 'em in the boat, and then I went up to the tent to make some coffee, leaving my two heathens down by the beach—the one fooling about with his sting and the other helping him. It never occurred to me that the beggar would take advantage of the peculiar position I was in to pick a quarrel. But I suppose the centipede poison and the kicking I had given him had upset the one—he was always a cantankerous sort—and he persuaded the other.

"I remember I was sitting and smoking and boiling up the water over a spirit-lamp business I used to take on these expeditions. Incidentally I was admiring the swamp under the sunset. All black and blood-red it was, in streaks—a beautiful sight. And up beyond the land rose grey and hazy to the hills, and the sky behind them red, like a furnace mouth. And fifty yards behind the back of me was these blessed heathens—quite regardless of the tranquil air of things—plotting to cut off with the boat and leave me all alone with three days' provisions and a canvas tent, and nothing to drink whatsoever beyond a little keg of water. I heard a kind of yelp behind me, and there they were in this canoe affair—it wasn't properly a boat—and, perhaps, twenty yards from land. I realized what was up in a moment. My gun was in the tent, and, besides, I had no bullets—only duck

shot. They knew that. But I had a little revolver in my pocket, and I pulled that out as I ran down to the beach.

“ ‘Come back !’ says I, flourishing it.

“ They jabbered something at me, and the man that broke the egg jeered. I aimed at the other—because he was unwounded and had the paddle, and I missed. They laughed. However, I wasn’t beat. I knew I had to keep cool, and I tried him again and made him jump with the whang of it. He didn’t laugh that time. The third time I got his head, and over he went, and the paddle with him. It was a precious lucky shot for a revolver. I reckon it was fifty yards. He went right under. I don’t know if he was shot, or simply stunned and drowned. Then I began to shout to the other chap to come back, but he huddled up in the canoe and refused to answer. So I fired out my revolver at him and never got near him.

“ I felt a precious fool, I can tell you. There I was on this rotten black beach, flat swamp all behind me, and the flat sea, cold after the sun set, and just this black canoe drifting steadily out to sea. I tell you I damned Dawson’s and Jamrach’s and Museums and all the rest of it just to rights. I bawled to this nigger to come back, until my voice went up into a scream.

“ There was nothing for it but to swim after him and take my luck with the sharks. So I opened my clasp-knife and put it in my mouth, and took off my clothes and waded in. As soon as I was in the water I lost sight of the canoe, but I aimed, as I judged, to head it off. I hoped the man in it was too bad to navigate it, and that it would keep on drifting in the same direction. Presently it came up over the horizon again to the south-westward about. The afterglow of sunset was well over now and the dim of night

creeping up. The stars were coming through the blue. I swam like a champion, though my legs and arms were soon aching.

"However, I came up to him by the time the stars were fairly out. As it got darker I began to see all manner of glowing things in the water—phosphorescence, you know. At times it made me giddy. I hardly knew which was stars and which was phosphorescence, and whether I was swimming on my head or my heels. The canoe was as black as sin, and the ripple under the bows like liquid fire. I was naturally chary of clambering up into it. I was anxious to see what he was up to first. He seemed to be lying cuddled up in a lump in the bows, and the stern was all out of water. The thing kept turning round slowly as it drifted—kind of waltzing, don't you know. I went to the stern and pulled it down, expecting him to wake up. Then I began to clamber in with my knife in my hand, and ready for a rush. But he never stirred. So there I sat in the stern of the little canoe, drifting away over the calm phosphorescent sea and with all the host of the stars above me, waiting for something to happen.

"After a long time I called him by name, but he never answered. I was too tired to take any risks by going along to him. So we sat there. I fancy I dozed once or twice. When the dawn came I saw he was as dead as a door-nail and all puffed up and purple. My three eggs and the bones were lying in the middle of the canoe, and the keg of water and some coffee and biscuits wrapped in a Cape *Argus* by his feet, and a tin of methylated spirit underneath him. There was no paddle, nor, in fact, anything except the spirit tin that I could use as one, so I settled to drift until I was picked up. I held an inquest on him, brought in

a verdict against some snake, scorpion, or centipede unknown, and sent him overboard.

"After that I had a drink of water and a few biscuits, and took a look round. I suppose a man low down as I was don't see very far; leastways, Madagascar was clean out of sight, and any trace of land at all. I saw a sail going south-westward—looked like a schooner but her hull never came up. Presently the sun got high in the sky and began to beat down upon me. Lord! it pretty near made my brains boil. I tried dipping my head in the sea, but after a while my eye fell on the *Cape Argus*, and I lay down flat in the canoe and spread this over me. Wonderful things these newspapers! I never read one through thoroughly before, but it's odd what you get up to when you're alone, as I was. I suppose I read that blessed old *Cape Argus* twenty times. The pitch in the canoe simply reeked with the heat and rose up into big blisters.

"I drifted ten days," said the man with the scar. "It's a little thing in the telling, isn't it? Every day was like the last. Except in the morning and the evening I never kept a lookout even—the blaze was so infernal. I didn't see a sail after the first three days, and those I saw took no notice of me. About the sixth night a ship went by scarcely half a mile away from me, with all its lights ablaze and its ports open, looking like a big firefly. There was music aboard. I stood up and shouted and screamed at it. The second day I broached one of the *Æpyornis* eggs, scraped the shell away at the end bit by bit, and tried it, and I was glad to find it was good enough to eat. A bit flavoury—not bad, I mean—but with something of the taste of a duck's egg. There was a kind of circular patch, about six inches across, on one side of the yolk, and

with streaks of blood and a white mark like a ladder in it that I thought queer, but I did not understand what this meant at the time, and I wasn't inclined to be particular. The egg lasted me three days, with biscuits and a drink of water. I chewed coffee-berries too—invigorating stuff. The second egg I opened about the eighth day, and it scared me."

The man with the scar paused. "Yes," he said, "developing."

"I dare say you find it hard to believe. I did, with the thing before me. There the egg had been, sunk in that cold black mud, perhaps three hundred years. But there was no mistaking it. There was the—what is it?—embryo, with its big head and curved back, and its heart beating under its throat, and the yolk shrivelled up and great membranes spreading inside of the shell and all over the yolk. Here was I hatching out the eggs of the biggest of all extinct birds, in a little canoe in the midst of the Indian Ocean. If old Dawson had known that! It was worth four years' salary. What do *you* think?"

"However, I had to eat that precious thing up, every bit of it, before I sighted the reef, and some of the mouthfuls were beastly unpleasant. I left the third one alone. I held it up to the light, but the shell was too thick for me to get any notion of what might be happening inside; and though I fancied I heard blood pulsing, it might have been the rustle in my own ears, like what you listen to in a seashell."

"Then came the atoll. Came out of the sunrise, as it were, suddenly, close up to me. I drifted straight towards it until I was about half a mile from shore, not more, and then the current took a turn, and I had to paddle as hard as I could with my hands and bits of the *Æpyornis* shell to make the place. However, I

got there. It was just a common atoll about four miles round, with a few trees growing and a spring in one place, and the lagoon full of parrot-fish. I took the egg ashore and put it in a good place, well above the tide lines and in the sun, to give it all the chance I could, and pulled the canoe up safe, and loafed about prospecting. It's rum how dull an atoll is. As soon as I had found a spring all the interest seemed to vanish. When I was a kid I thought nothing could be finer or more adventurous than the Robinson Crusoe business, but that place was as monotonous as a book of sermons. I went round finding eatable things and generally thinking; but I tell you I was bored to death before the first day was out. It shows my luck—the very day I landed the weather changed. A thunderstorm went by to the north and flicked its wing over the island, and in the night there came a drencher and a howling wind slap over us. It wouldn't have taken much, you know, to upset that canoe.

"I was sleeping under the canoe, and the egg was luckily among the sand higher up the beach, and the first thing I remember was a sound like a hundred pebbles hitting the boat at once, and a rush of water over my body. I'd been dreaming of Antananarivo, and I sat up and halloed to Intoshi to ask her what the devil was up, and clawed out at the chair where the matches used to be. Then I remembered where I was. There were phosphorescent waves rolling up as if they meant to eat me, and all the rest of the night as black as pitch. The air was simply yelling. The clouds seemed down on your head almost, and the rain fell as if heaven was sinking and they were baling out the waters above the firmament. One great roller came writhing at me, like a fiery serpent, and I bolted. Then I thought of the canoe, and ran down to it as

the water went hissing back again ; but the thing had gone. I wondered about the egg, then, and felt my way to it. It was all right and well out of reach of the maddest waves, so I sat down beside it and cuddled it for company. Lord ! what a night that was !

“ The storm was over before the morning. There wasn't a rag of cloud left in the sky when the dawn came, and all along the beach there were bits of plank scattered—which was the disarticulated skeleton, so to speak, of my canoe. However, that gave me something to do, for taking advantage of two of the trees being together, I rigged up a kind of storm-shelter with these vestiges. And that day the egg hatched.

“ Hatched, sir, when my head was pillowed on it and I was asleep. I heard a whack and felt a jar and sat up, and there was the end of the egg pecked out and a rum little brown head looking out at me. ‘ Lord ! ’ I said, ‘ you're welcome ’ ; and with a little difficulty he came out.

“ He was a nice friendly little chap at first, about the size of a small hen—very much like most other young birds, only bigger. His plumage was a dirty brown to begin with, with a sort of grey scab that fell off it very soon, and scarcely feathers—a kind of downy hair. I can hardly express how pleased I was to see him. I tell you, Robinson Crusoe don't make near enough of his loneliness. But here was interesting company. He looked at me and winked his eye from the front backward, like a hen, and gave a chirp and began to peck about at once, as though being hatched three hundred years too late was just nothing. ‘ Glad to see you, Man Friday ! ’ says I, for I had naturally settled he was to be called Man Friday if ever he was hatched, as soon as ever I found the egg in the canoe had developed. I was a bit anxious about

his feed, so I gave him a lump of raw parrot-fish at once. He took it, and opened his beak for more. I was glad of that, for, under the circumstances, if he'd been at all fanciful, I should have had to eat him after all.

"You'd be surprised what an interesting bird that Æpyornis chick was. He followed me about from the very beginning. He used to stand by me and watch while I fished in the lagoon, and go shares in anything I caught. And he was sensible, too. There were nasty green warty things, like pickled gherkins, used to lie about on the beach, and he tried one of these and it upset him. He never even looked at any of them again.

"And he grew. You could almost see him grow. And as I was never much of a society man, his quiet, friendly ways suited me to a T. For nearly two years we were as happy as we could be on that island. I had no business worries, for I knew my salary was mounting up at Dawson's. We would see a sail now and then, but nothing ever came near us. I amused myself, too, by decorating the island with designs worked in sea-urchins and fancy shells of various kinds. I put ÆPYORNIS ISLAND all around the place very nearly, in big letters, like what you see done with coloured stones at railway stations in the old country, and mathematical calculations and drawings of various sorts. And I used to lie watching the blessed bird stalking round and growing, growing; and think how I could make a living out of him by showing him about if I ever got taken off. After his first moult he began to get handsome, with a crest and a blue wattle, and a lot of green feathers at the behind of him. And then I used to puzzle whether Dawson's had any right to claim him or not. Stormy weather and in the rainy

season we lay snug under the shelter I had made out of the old canoe, and I used to tell him lies about my friends at home. And after a storm we would go round the island together to see if there was any drift. It was a kind of idyll, you might say. If only I had had some tobacco it would have been simply just like heaven.

"It was about the end of the second year our little paradise went wrong. Friday was then about fourteen feet high to the bill of him, with a big, broad head like the end of a pickaxe, and two huge brown eyes with yellow rims, set together like a man's—not out of sight of each other like a hen's. His plumage was fine—none of the half-mourning style of your ostrich—more like a cassowary as far as colour and texture go. And then it was he began to cock his comb at me and give himself airs, and show signs of a nasty temper. . . .

"At last came a time when my fishing had been rather unlucky, and he began to hang about me in a queer, meditative way. I thought he might have been eating sea-cucumbers or something, but it was really just discontent on his part. I was hungry, too, and when at last I landed a fish I wanted it for myself. Tempers were short that morning on both sides. He pecked at it and grabbed it, and I gave him a whack on the head to make him leave go. And at that he went for me. Lord! . . .

"He gave me this in the face." The man indicated his scar. "Then he kicked me. It was like a cart-horse. I got up, and, seeing he hadn't finished, I started off full tilt with my arms doubled up over my face. But he ran on those gawky legs of his faster than a racehorse, and kept landing out at me with sledge-hammer kicks and bringing his pickaxe down on the back of my head. I made for the lagoon, and

went in up to my neck. He stopped at the water, for he hated getting his feet wet, and began to make a shindy, something like a peacock's, only hoarser. He started strutting up and down the beach. I'll admit I felt small to see this blessed fossil lording it there. And my head and face were all bleeding, and—well, my body just one jelly of bruises.

"I decided to swim across the lagoon and leave him alone for a bit, until the affair blew over. I shinned up the tallest palm tree, and sat there thinking of it all. I don't suppose I ever felt so hurt by anything before or since. It was the brutal ingratitude of the creature. I'd been more than a brother to him. I'd hatched him, educated him. A great gawky, out-of-date bird! And me a human being—heir of the ages and all that.

"I thought after a time he'd begin to see things in that light himself, and feel a little sorry for his behaviour. I thought if I was to catch some nice little bits of fish, perhaps, and go to him presently in a casual kind of way, and offer them to him, he might do the sensible thing. It took me some time to learn how unforgiving and cantankerous an extinct bird can be. Malice!

"I won't tell you all the little devices I tried to get that bird round again. I simply can't. It makes my cheek burn with shame even now to think of the snubs and buffets I had from this infernal curiosity. I tried violence. I chucked lumps of coral at him from a safe distance, but he only swallowed them. I shied my open knife at him and almost lost it, though it was too big for him to swallow. I tried starving him out and struck fishing, but he took to picking along the beach at low water after worms, and rubbed along on that. Half my time I spent up to my neck in the lagoon, and

the rest up the palm trees. One of them was scarcely high enough, and when he caught me up it he had a regular Bank Holiday with the calves of my legs. It got unbearable. I don't know if you have ever tried sleeping up a palm tree. It gave me the most horrible nightmares. Think of the shame of it, too ! Here was this extinct animal mooning about my island like a sulky duke, and me not allowed to rest the sole of my foot on the place. I used to cry with weariness and vexation. I told him straight that I didn't mean to be chased about a desert island by any damned anachronisms. I told him to go and peck a navigator of his own age. But he only snapped his beak at me. Great ugly bird, all legs and neck !

" I shouldn't like to say how long that went on altogether. I'd have killed him sooner if I'd known how. However, I hit on a way of settling him at last. It is a South American dodge. I joined all my fishing-lines together with stems of seaweed and things, and made a stoutish string, perhaps twelve yards in length or more, and I fastened two lumps of coral rock to the ends of this. It took me some time to do, because every now and then I had to go into the lagoon or up a tree as the fancy took me. This I whirled rapidly round my head, and then let it go at him. The first time I missed, but the next time the string caught his legs beautifully, and wrapped round them again and again. Over he went. I threw it standing waist-deep in the lagoon, and as soon as he went down I was out of the water and sawing at his neck with my knife. . . .

" I don't like to think of that even now. I felt like a murderer while I did it, though my anger was hot against him. When I stood over him and saw him bleeding on the white sand, and his beautiful great legs and neck writhing in his last agony. . . . Pah !

"With that tragedy loneliness came upon me like a curse. Good Lord! you can't imagine how I missed that bird. I sat by his corpse and sorrowed over him, and shivered as I looked round the desolate, silent reef. I thought of what a jolly little bird he had been when he was hatched, and of a thousand pleasant tricks he had played before he went wrong. I thought if I'd only wounded him I might have nursed him round into a better understanding. If I'd had any means of digging into the coral rock I'd have buried him. I felt exactly as if he was human. As it was, I couldn't think of eating him, so I put him in the lagoon, and the little fishes picked him clean. I didn't even save the feathers. Then one day a chap cruising about in a yacht had a fancy to see if my atoll still existed.

"He didn't come a moment too soon, for I was about sick enough of the desolation of it, and only hesitating whether I should walk out into the sea and finish up the business that way, or fall back on the green things. . . .

"I sold the bones to a man named Winslow—a dealer near the British Museum, and he says he sold them to old Havers. It seems Havers didn't understand they were extra large, and it was only after his death they attracted attention. They called 'em *Æpyornis*—what was it?"

"*Æpyornis vastus*," said I. "It's funny, the very thing was mentioned to me by a friend of mine. When they found an *Æpyornis* with a thigh a yard long, they thought they had reached the top of the scale, and called him *Æpyornis maximus*. Then some one turned up another thigh-bone four feet six or more, and that they called *Æpyornis titan*. Then your *vastus* was found after old Havers died, in his collection, and then a *vastissimus* turned up."

“ Winslow was telling me as much,” said the man with the scar. “ If they get any more *Æpyornises*, he reckons some scientific swell will go and burst a blood-vessel. But it was a queer thing to happen to a man ; wasn’t it—altogether ? ”

The Stolen Bacillus and Other Incidents. 1895.

VI

IN THE ABYSS

THE lieutenant stood in front of the steel sphere and gnawed a piece of pine splinter. "What do you think of it, Steevens?" he asked.

"It's an idea," said Steevens, in the tone of one who keeps an open mind.

"I believe it will smash—flat," said the lieutenant.

"He seems to have calculated it all out pretty well," said Steevens, still impartial.

"But think of the pressure," said the lieutenant.

"At the surface of the water it's fourteen pounds to the inch, thirty feet down it's double that; sixty, treble; ninety, four times; nine hundred, forty times; five thousand, three hundred—that's a mile—it's two hundred and forty times fourteen pounds; that's—let's see—thirty hundredweight—a ton and a half, Steevens; *a ton and a half* to the square inch. And the ocean where he's going is five miles deep. That's seven and a half——"

"Sounds a lot," said Steevens, "but it's jolly thick steel."

The lieutenant made no answer, but resumed his pine splinter. The object of their conversation was a huge ball of steel, having an exterior diameter of perhaps nine feet. It looked like the shot for some Titanic piece of artillery. It was elaborately nested

in a monstrous scaffolding built into the framework of the vessel, and the gigantic spars that were presently to sling it overboard gave the stern of the ship an appearance that had raised the curiosity of every decent sailor who had sighted it, from the Pool of London to the Tropic of Capricorn. In two places, one above the other, the steel gave place to a couple of circular windows of enormously thick glass, and one of these, set in a steel frame of great solidity, was now partially unscrewed. Both the men had seen the interior of this globe for the first time that morning. It was elaborately padded with air cushions, with little studs sunk between bulging pillows to work the simple mechanism of the affair. Everything was elaborately padded, even the Myers apparatus which was to absorb carbonic acid and replace the oxygen inspired by its tenant, when he had crept in by the glass manhole, and had been screwed in. It was so elaborately padded that a man might have been fired from a gun in it with perfect safety. And it had need to be, for presently a man was to crawl in through that glass manhole, to be screwed up tightly, and to be flung overboard, and to sink down—down—down, for five miles, even as the lieutenant said. It had taken the strongest hold of his imagination ; it made him a bore at mess ; and he found Steevens, the new arrival aboard, a godsend to talk to about it, over and over again.

“It’s my opinion,” said the lieutenant, “that that glass will simply bend in and bulge and smash, under a pressure of that sort. Daubrée has made rocks run like water under big pressures—and, you mark my words——”

“If the glass did break in,” said Steevens, “what then ?”

"The water would shoot in like a jet of iron. Have you ever felt a straight jet of high pressure water? It would hit as hard as a bullet. It would simply smash him and flatten him. It would tear down his throat, and into his lungs; it would blow in his ears——"

"What a detailed imagination you have!" protested Steevens, who saw things vividly.

"It's a simple statement of the inevitable," said the lieutenant.

"And the globe?"

"Would just give out a few little bubbles, and it would settle down comfortably against the day of judgment, among the oozes and the bottom clay—with poor Elstead spread over his own smashed cushions like butter over bread."

He repeated this sentence as though he liked it very much. "Like butter over bread," he said.

"Having a look at the jigger?" said a voice, and Elstead stood behind them, spick and span in white, with a cigarette between his teeth, and his eyes smiling out of the shadow of his ample hat-brim. "What's that about bread and butter, Weybridge? Grumbling as usual about the insufficient pay of naval officers? It won't be more than a day now before I start. We are to get the slings ready to-day. This clean sky and gentle swell is just the kind of thing for swinging off a dozen tons of lead and iron, isn't it?"

"It won't affect you much," said Weybridge.

"No. Seventy or eighty feet down, and I shall be there in a dozen seconds, there's not a particle moving, though the wind shriek itself hoarse up above, and the water lifts half-way to the clouds. No. Down there. . . ." He moved to the side of the ship and the other two followed him. All three leant forward

on their elbows and stared down into the yellow-green water.

"*Peace*," said Elstead, finishing his thought aloud.

"Are you dead certain that clockwork will act?" asked Weybridge presently.

"It has worked thirty-five times," said Elstead.

"It's bound to work."

"But if it doesn't?"

"Why shouldn't it?"

"I wouldn't go down in that confounded thing," said Weybridge, "for twenty thousand pounds."

"Cheerful chap you are," said Elstead, and spat sociably at a bubble below.

"I don't understand yet how you mean to work the thing," said Steevens.

"In the first place, I'm screwed into the sphere," said Elstead, "and when I've turned the electric light off and on three times to show I'm cheerful, I'm swung out over the stern by that crane, with all those big lead sinkers slung below me. The top lead weight has a roller carrying a hundred fathoms of strong cord rolled up, and that's all that joins the sinkers to the sphere, except the slings that will be cut when the affair is dropped. We use cord rather than wire rope because it's easier to cut and more buoyant—necessary points, as you will see.

"Through each of these lead weights you notice there is a hole, and an iron rod will be run through that and will project six feet on the lower side. If that rod is rammed up from below, it knocks up a lever and sets the clockwork in motion at the side of the cylinder on which the cord winds.

"Very well. The whole affair is lowered gently into the water, and the slings are cut. The sphere floats—with the air in it, it's lighter than water—but the lead

weights go down straight and the cord runs out. When the cord is all paid out, the sphere will go down too, pulled down by the cord."

"But why the cord?" asked Steevens. "Why not fasten the weights directly to the sphere?"

"Because of the smash down below. The whole affair will go rushing down, mile after mile, at a headlong pace at last. It would be knocked to pieces on the bottom if it wasn't for that cord. But the weights will hit the bottom, and directly they do, the buoyancy of the sphere will come into play. It will go on sinking slower and slower; come to a stop at last, and then begin to float upward again.

"That's where the clockwork comes in. Directly the weights smash against the sea bottom, the rod will be knocked through and will kick up the clockwork, and the cord will be rewound on the reel. I shall be lugged down to the sea bottom. There I shall stay for half an hour, with the electric light on, looking about me. Then the clockwork will release a spring knife. the cord will be cut, and up I shall rush again, like a soda-water bubble. The cord itself will help the flotation."

"And if you should chance to hit a ship?" said Weybridge.

"I should come up at such a pace, I should go clean through it," said Elstead, "like a cannon ball. You needn't worry about that."

"And suppose some nimble crustacean should wriggle into your clockwork——"

"It would be a pressing sort of invitation for me to stop," said Elstead, turning his back on the water and staring at the sphere.

They had swung Elstead overboard by eleven

o'clock. The day was serenely bright and calm, with the horizon lost in haze. The electric glare in the little upper compartment beamed cheerfully three times. Then they let him down slowly to the surface of the water, and a sailor in the stern chains hung ready to cut the tackle that held the lead weights and the sphere together. The globe, which had looked so large on deck, looked the smallest thing conceivable under the stern of the ship. It rolled a little, and its two dark windows, which floated uppermost, seemed like eyes turned up in round wonderment at the people who crowded the rail. A voice wondered how Elstead liked the rolling. "Are you ready?" sang out the commander. "Ay, ay, sir!" "Then let her go!"

The rope of the tackle tightened against the blade and was cut, and an eddy rolled over the globe in a grotesquely helpless fashion. Some one waved a handkerchief, some one else tried an ineffectual cheer, a middy was counting slowly, "Eight, nine, ten!" Another roll, then with a jerk and a splash the thing righted itself.

It seemed to be stationary for a moment, to grow rapidly smaller, and then the water closed over it, and it became visible, enlarged by refraction and dimmer, below the surface. Before one could count three it had disappeared. There was a flicker of white light far down in the water, that diminished to a speck and vanished. Then there was nothing but a depth of water going down into blackness, through which a shark was swimming.

Then suddenly the screw of the cruiser began to rotate, the water was crickled, the shark disappeared in a wrinkled confusion, and a torrent of foam rushed across the crystalline clearness that had swallowed up

Elstead. "What's the idee?" said one A.B. to another.

"We're going to lay off about a couple of miles, 'fear he should hit us when he comes up," said his mate.

The ship steamed slowly to her new position. Aboard her almost every one who was unoccupied remained watching the breathing swell into which the sphere had sunk. For the next half-hour it is doubtful if a word was spoken that did not bear directly or indirectly on Elstead. The December sun was now high in the sky, and the heat very considerable.

"He'll be cold enough down there," said Weybridge. "They say that below a certain depth sea water's always just about freezing."

"Where'll he come up?" asked Steevens. "I've lost my bearings."

"That's the spot," said the commander, who prided himself on his omniscience. He extended a precise finger south-eastward. "And this, I reckon, is pretty nearly the moment," he said. "He's been thirty-five minutes."

"How long does it take to reach the bottom of the ocean?" asked Steevens.

"For a depth of five miles, and reckoning—as we did—an acceleration of two feet per second, both ways, is just about three-quarters of a minute."

"Then he's overdue," said Weybridge.

"Pretty nearly," said the commander. "I suppose it takes a few minutes for that cord of his to wind in."

"I forgot that," said Weybridge, evidently relieved.

And then began the suspense. A minute slowly dragged itself out, and no sphere shot out of the water. Another followed, and nothing broke the low oily swell. The sailors explained to one another that little

point about the winding-in of the cord. The rigging was dotted with expectant faces. "Come up, Elstead!" called one hairy-chested salt impatiently, and the others caught it up, and shouted as though they were waiting for the curtain of a theatre to rise.

The commander glanced irritably at them.

"Of course, if the acceleration's less than two," he said, "he'll be all the longer. We aren't absolutely certain that was the proper figure. I'm no slavish believer in calculations."

Steevens agreed concisely. No one on the quarter-deck spoke for a couple of minutes. Then Steevens' watchcase clicked.

When, twenty-one minutes after, the sun reached the zenith, they were still waiting for the globe to reappear, and not a man aboard had dared to whisper that hope was dead. It was Weybridge who first gave expression to that realization. He spoke while the sound of eight bells still hung in the air. "I always distrusted that window," he said quite suddenly to Steevens.

"Good God!" said Steevens; "you don't think——?"

"Well!" said Weybridge, and left the rest to his imagination.

"I'm no great believer in calculations myself," said the commander dubiously, "so that I'm not altogether hopeless yet." And at midnight the gunboat was steaming slowly in a spiral round the spot where the globe had sunk, and the white beam of the electric light fled and halted and swept discontentedly onward again over the waste of phosphorescent waters under the little stars.

"If his window hasn't burst and smashed him," said Weybridge, "then it's a cursed sight worse, for

his clockwork has gone wrong, and he's alive now, five miles under our feet, down there in the cold and dark, anchored in that little bubble of his, where never a ray of light has shone or a human being lived, since the waters were gathered together. He's there without food, feeling hungry and thirsty and scared, wondering whether he'll starve or stifle. Which will it be? The Myers apparatus is running out, I suppose. How long do they last?"

"Good heavens!" he exclaimed; "what little things we are! What daring little devils! Down there, miles and miles of water—all water, and all this empty water about us and this sky. Gulfs!" He threw his hands out, and as he did so, a little white streak swept noiselessly up the sky, travelled more slowly, stopped, became a motionless dot, as though a new star had fallen up into the sky. Then it went sliding back again and lost itself amidst the reflections of the stars and the white haze of the sea's phosphorescence.

At the sight he stopped, arm extended and mouth open. He shut his mouth, opened it again, and waved his arms with an impatient gesture. Then he turned, shouted "El-stead ahoy!" to the first watch, and went at a run to Lindley and the search-light. "I saw him," he said. "Starboard there! His light's on, and he's just shot out of the water. Bring the light round. We ought to see him drifting, when he lifts on the swell."

But they never picked up the explorer until dawn. Then they almost ran him down. The crane was swung out and a boat's crew hooked the chain to the sphere. When they had shipped the sphere, they unscrewed the manhole and peered into the darkness of the interior (for the electric light chamber was

intended to illuminate the water about the sphere, and was shut off entirely from its general cavity).

The air was very hot within the cavity, and the indiarubber at the lip of the manhole was soft. There was no answer to their eager questions and no sound of movement within. Elstead seemed to be lying motionless, crumpled up in the bottom of the globe. The ship's doctor crawled in and lifted him out to the men outside. For a moment or so they did not know whether Elstead was alive or dead. His face, in the yellow light of the ship's lamps, glistened with perspiration. They carried him down to his own cabin.

He was not dead, they found, but in a state of absolute nervous collapse, and besides cruelly bruised. For some days he had to lie perfectly still. It was a week before he could tell his experiences.

Almost his first words were that he was going down again. The sphere would have to be altered, he said, in order to allow him to throw off the cord if need be, and that was all. He had had the most marvellous experience. "You thought I should find nothing but ooze," he said. "You laughed at my explorations, and I've discovered a new world!" He told his story in disconnected fragments, and chiefly from the wrong end, so that it is impossible to re-tell it in his words. But what follows is the narrative of his experience.

It began atrociously, he said. Before the cord ran out, the thing kept rolling over. He felt like a frog in a football. He could see nothing but the crane and the sky overhead, with an occasional glimpse of the people on the ship's rail. He couldn't tell a bit which way the thing would roll next. Suddenly he would find his feet going up, and try to step, and over he went rolling, head over heels, and just anyhow, on the padding. Any other shape would have been more com-

fortable, but no other shape was to be relied upon under the huge pressure of the nethermost abyss.

Suddenly the swaying ceased ; the globe righted, and when he had picked himself up, he saw the water all about him greeny-blue, with an attenuated light filtering down from above, and a shoal of little floating things went rushing up past him, as it seemed to him, towards the light. And even as he looked, it grew darker and darker, until the water above was as dark as the midnight sky, albeit of a greener shade, and the water below black. And little transparent things in the water developed a faint glint of luminosity, and shot past him in faint greenish streaks.

And the feeling of falling ! It was just like the start of a lift, he said, only it kept on. One has to imagine what that means, that keeping on. It was then of all times that Elstead repented of his adventure. He saw the chances against him in an altogether new light. He thought of the big cuttle-fish people knew to exist in the middle waters, the kind of things they find half digested in whales at times, or floating dead and rotten and half eaten by fish. Suppose one caught hold and wouldn't let go. And had the clock-work really been sufficiently tested ? But whether he wanted to go on or to go back mattered not the slightest now.

In fifty seconds everything was as black as night outside, except where the beam from his light struck through the waters, and picked out every now and then some fish or scrap of sinking matter. They flashed by too fast for him to see what they were. Once he thinks he passed a shark. And then the sphere began to get hot by friction against the water. They had under-estimated this, it seems.

The first thing he noticed was that he was per-

spiring, and then he heard a hissing growing louder under his feet, and saw a lot of little bubbles—very little bubbles they were—rushing upward like a fan through the water outside. Steam! He felt the window, and it was hot. He turned on the minute glow-lamp that lit his own cavity, looked at the padded watch by the studs, and saw he had been travelling now for two minutes. It came into his head that the window would crack through the conflict of temperatures, for he knew the bottom water is very near freezing.

Then suddenly the floor of the sphere seemed to press against his feet, the rush of bubbles outside grew slower and slower, and the hissing diminished. The sphere rolled a little. The window had not cracked, nothing had given, and he knew that the dangers of sinking, at any rate, were over.

In another minute or so he would be on the floor of the abyss. He thought, he said, of Steevens and Weybridge and the rest of them five miles overhead, higher to him than the very highest clouds that ever floated over land are to us, steaming slowly and staring down and wondering what had happened to him.

He peered out of the window. There were no more bubbles now, and the hissing had stopped. Outside there was a heavy blackness—as black as black velvet—except where the electric light pierced the empty water and showed the colour of it—a yellow-green. Then three things like shapes of fire swam into sight, following each other through the water. Whether they were little and near or big and far off he could not tell.

Each was outlined in a bluish light almost as bright as the lights of a fishing smack, a light which seemed to be smoking greatly, and all along the sides of them

were specks of this, like the lighter portholes of a ship. Their phosphorescence seemed to go out as they came into the radiance of his lamp, and he saw then that they were little fish of some strange sort, with huge heads, vast eyes, and dwindling bodies and tails. Their eyes were turned towards him, and he judged they were following him down. He supposed they were attracted by his glare.

Presently others of the same sort joined them. As he went on down, he noticed that the water became of a pallid colour, and that little specks twinkled in his ray like motes in a sunbeam. This was probably due to the clouds of ooze and mud that the impact of his leaden sinkers had disturbed.

By the time he was drawn down to the lead weights he was in a dense fog of white that his electric light failed altogether to pierce for more than a few yards, and many minutes elapsed before the hanging sheets of sediment subsided to any extent. Then, lit by his light and by the transient phosphorescence of a distant shoal of fishes, he was able to see under the huge blackness of the super-incumbent water an undulating expanse of greyish-white ooze, broken here and there by tangled thickets of a growth of sea lilies, waving hungry tentacles in the air.

Farther away were the graceful, translucent outlines of a group of gigantic sponges. About this floor there were scattered a number of bristling flattish tufts of rich purple and black, which he decided must be some sort of sea-urchin, and small, large-eyed or blind things having a curious resemblance, some to woodlice, and others to lobsters, crawled sluggishly across the track of the light and vanished into the obscurity again, leaving furrowed trails behind them.

Then suddenly the hovering swarm of little fishes

veered about and came towards him as a flight of starlings might do. They passed over him like a phosphorescent snow, and then he saw behind them some larger creature advancing towards the sphere.

At first he could see it only dimly, a faintly moving figure remotely suggestive of a walking man, and then it came into the spray of light that the lamp shot out. As the glare struck it, it shut its eyes, dazzled. He stared in rigid astonishment.

It was a strange vertebrated animal. Its dark purple head was dimly suggestive of a chameleon, but it had such a high forehead and such a braincase as no reptile ever displayed before ; the vertical pitch of its face gave it a most extraordinary resemblance to a human being.

Two large and protruding eyes projected from sockets in chameleon fashion, and it had a broad reptilian mouth with horny lips beneath its little nostrils. In the position of the ears were two huge gill-covers, and out of these floated a branching tree of coralline filaments, almost like the tree-like gills that very young rays and sharks possess.

But the humanity of the face was not the most extraordinary thing about the creature. It was a biped ; its almost globular body was poised on a tripod of two frog-like legs and a long thick tail, and its fore limbs, which grotesquely caricatured the human hand, much as a frog's do, carried a long shaft of bone, tipped with copper. The colour of the creature was variegated ; its head, hands, and legs were purple ; but its skin, which hung loosely upon it, even as clothes might do, was a phosphorescent grey. And it stood there blinded by the light.

At last this unknown creature of the abyss blinked its eyes open, and, shading them with its disengaged

hand, opened its mouth and gave vent to a shouting noise, articulate almost as speech might be, that penetrated even the steel case and padded jacket of the sphere. How a shouting may be accomplished without lungs Elstead does not profess to explain. It then moved sideways out of the glare into the mystery of shadow that bordered it on either side, and Elstead felt rather than saw that it was coming towards him. Fancying the light had attracted it, he turned the switch that cut off the current. In another moment something soft dabbed upon the steel, and the globe swayed.

Then the shouting was repeated, and it seemed to him that a distant echo answered it. The dabbing recurred, and the globe swayed and ground against the spindle over which the wire was rolled. He stood in the blackness and peered out into the everlasting night of the abyss. And presently he saw, very faint and remote, other phosphorescent quasi-human forms hurrying towards him.

Hardly knowing what he did, he felt about in his swaying prison for the stud of the exterior electric light, and came by accident against his own small glow-lamp in its padded recess. The sphere twisted, and then threw him down ; he heard shouts like shouts of surprise, and when he rose to his feet, he saw two pairs of stalked eyes peering into the lower window and reflecting his light.

In another moment hands were dabbing vigorously at his steel casing, and there was a sound, horrible enough in his position, of the metal protection of the clockwork being vigorously hammered. That, indeed, sent his heart into his mouth, for if these strange creatures succeeded in stopping that, his release would never occur. Scarcely had he thought as much when

he felt the sphere sway violently, and the floor of it press hard against his feet. He turned off the small glow-lamp that lit the interior, and sent the ray of the large light in the separate compartment out into the water. The sea-floor and the man-like creatures had disappeared, and a couple of fish chasing each other dropped suddenly by the window.

He thought at once that these strange denizens of the deep sea had broken the rope, and that he had escaped. He drove up faster and faster, and then stopped with a jerk that sent him flying against the padded roof of his prison. For half a minute, perhaps, he was too astonished to think.

Then he felt that the sphere was spinning slowly, and rocking, and it seemed to him that it was also being drawn through the water. By crouching close to the window, he managed to make his weight effective and roll that part of the sphere downward, but he could see nothing save the pale ray of his light striking down ineffectively into the darkness. It occurred to him that he would see more if he turned the lamp off, and allowed his eyes to grow accustomed to the profound obscurity.

In this he was wise. After some minutes the velvety blackness became a translucent blackness, and then, far away, and as faint as the zodiacal light of an English summer evening, he saw shapes moving below. He judged these creatures had detached his cable, and were towing him along the sea bottom.

And then he saw something faint and remote across the undulations of the submarine plain, a broad horizon of pale luminosity that extended this way and that way as far as the range of his little window permitted him to see. To this he was being towed, as a balloon might be towed by men out of the open coun-

try into a town. He approached it very slowly, and very slowly the dim irradiation was gathered together into more definite shapes.

It was nearly five o'clock before he came over this luminous area, and by that time he could make out an arrangement suggestive of streets and houses grouped about a vast roofless erection that was grotesquely suggestive of a ruined abbey. It was spread out like a map below him. The houses were all roofless enclosures of walls, and their substance being, as he afterwards saw, of phosphorescent bones, gave the place an appearance as if it were built of drowned moonshine.

Among the inner caves of the place waving trees of crinoid stretched their tentacles, and tall, slender, glassy sponges shot like shining minarets and lilies of filmy light out of the general glow of the city. In the open spaces of the place he could see a stirring movement as of crowds of people, but he was too many fathoms above them to distinguish the individuals in those crowds.

Then slowly they pulled him down, and as they did so, the details of the place crept slowly upon his apprehension. He saw that the courses of the cloudy buildings were marked out with beaded lines of round objects, and then he perceived that at several points below him, in broad open spaces, were forms like the encrusted shapes of ships.

Slowly and surely he was drawn down, and the forms below him became brighter, clearer, more distinct. He was being pulled down, he perceived, towards the large building in the centre of the town, and he could catch a glimpse ever and again of the multitudinous forms that were lugging at his cord. He was astonished to see that the rigging of one of

the ships, which formed such a prominent feature of the place, was crowded with a host of gesticulating figures regarding him, and then the walls of the great building rose about him silently, and hid the city from his eyes.

And such walls they were, of water-logged wood, and twisted wire-rope, and iron spars, and copper, and the bones and skulls of dead men. The skulls ran in zigzag lines and spirals and fantastic curves over the building; and in and out of their eye-sockets, and over the whole surface of the place, lurked and played a multitude of silvery little fishes.

Suddenly his ears were filled with a low shouting and a noise like the violent blowing of horns, and this gave place to a fantastic chant. Down the sphere sank, past the huge pointed windows, through which he saw vaguely a great number of these strange, ghostlike people regarding him, and at last he came to rest, as it seemed, on a kind of altar that stood in the centre of the place.

And now he was at such a level that he could see these strange people of the abyss plainly once more. To his astonishment, he perceived that they were prostrating themselves before him, all save one, dressed as it seemed in a robe of placoid scales, and crowned with a luminous diadem, who stood with his reptilian mouth opening and shutting, as though he led the chanting of the worshippers.

A curious impulse made Elstead turn on his small glow-lamp again, so that he became visible to these creatures of the abyss, albeit the glare made them disappear forthwith into night. At this sudden sight of him, the chanting gave place to a tumult of exultant shouts; and Elstead, being anxious to watch them, turned his light off again, and vanished from before

their eyes. But for a time he was too blind to make out what they were doing, and when at last he could distinguish them, they were kneeling again. And thus they continued worshipping him, without rest or intermission, for a space of three hours.

Most circumstantial was Elstead's account of this astounding city and its people, these people of perpetual night, who have never seen sun or moon or stars, green vegetation, nor any living, air-breathing creatures, who know nothing of fire, nor any light but the phosphorescent light of living things.

Startling as is his story, it is yet more startling to find that scientific men, of such eminence as Adams and Jenkins, find nothing incredible in it. They tell me they see no reason why intelligent, water-breathing, vertebrated creatures, inured to a low temperature and enormous pressure, and of such a heavy structure, that neither alive nor dead would they float, might not live upon the bottom of the deep sea, and quite unsuspected by us, descendants like ourselves of the great Theriomorpha of the New Red Sandstone age.

We should be known to them, however, as strange, meteoric creatures, wont to fall catastrophically dead out of the mysterious blackness of their watery sky. And not only we ourselves, but our ships, our metals, our appliances, would come raining down out of the night. Sometimes sinking things would smite down and crush them, as if it were the judgment of some unseen power above, and sometimes would come things of the utmost rarity or utility, or shapes of inspiring suggestion. One can understand, perhaps, something of their behaviour at the descent of a living man, if one thinks what a barbaric people might do, to whom an enhaloed, shining creature came suddenly out of the sky.

At one time or another Elstead probably told the officers of the *Plarmigan* every detail of his strange twelve hours in the abyss. That he also intended to write them down is certain, but he never did, and so unhappily we have to piece together the discrepant fragments of his story from the reminiscences of Commander Simmons, Weybridge, Steevens, Lindley, and the others.

We see the thing darkly in fragmentary glimpses—the huge ghostly building, the bowing, chanting people, with their dark chameleon-like heads and faintly luminous clothing, and Elstead, with his light turned on again, vainly trying to convey to their minds that the cord by which the sphere was held was to be severed. Minute after minute slipped away, and Elstead, looking at his watch, was horrified to find that he had oxygen only for four hours more. But the chant in his honour kept on as remorselessly as if it was the marching song of his approaching death.

The manner of his release he does not understand, but to judge by the end of cord that hung from the sphere, it had been cut through by rubbing against the edge of the altar. Abruptly the sphere rolled over, and he swept up, out of their world, as an ethereal creature clothed in a vacuum would sweep through our own atmosphere back to its native ether again. He must have torn out of their sight as a hydrogen bubble hastens upward from our air. A strange ascension it must have seemed to them.

The sphere rushed up with even greater velocity than, when weighted with the lead sinkers, it had rushed down. It became exceedingly hot. It drove up with the windows uppermost, and he remembers the torrent of bubbles frothing against the glass. Every moment he expected this to fly. Then suddenly

something like a huge wheel seemed to be released in his head, the padded compartment began spinning about him, and he fainted. His next recollection was of his cabin, and of the doctor's voice.

But that is the substance of the extraordinary story that Elstead related in fragments to the officers of the *Plarmigan*. He promised to write it all down at a later date. His mind was chiefly occupied with the improvement of his apparatus, which was effected at Rio.

It remains only to tell that on February 2, 1896, he made his second descent into the ocean abyss, with the improvements his first experience suggested. What happened we shall probably never know. He never returned. The *Plarmigan* beat about over the point of his submersion, seeking him in vain for thirteen days. Then she returned to Rio, and the news was telegraphed to his friends. So the matter remains for the present. But it is hardly probable that no further attempt will be made to verify his strange story of these hitherto unsuspected cities of the deep sea.

The Plattner Story and Others. 1897.

Interlude

LITTLE MOTHER UP THE MÖRDERBERG

I THINK I mentioned when I was telling how I sailed my first aeroplane that I made a kind of record at Arosa by falling down three separate crevasses on three successive days. That was before little mother followed me out there. When she came, I could see at a glance she was tired and jaded and worried, and so, instead of letting her fret about in the hotel and get into a wearing tangle of gossip, I packed her and two knapsacks up, and started off on a long, refreshing, easy-going walk northward, until a blister on her foot stranded us at the Magenruhe Hotel on the Sneejoch. She was for going on, blister or no blister—I never met pluck like mother's in all my life—but I said, "No. This is a mountaineering inn, and it suits me down to the ground—or if you prefer it, up to the sky. You shall sit in the veranda by the telescope, and I'll prance about among the peaks for a bit."

"Don't have accidents," she said.

"Can't promise that, little mother," I said; "but I'll always remember I'm your only son."

So I pranced. . . .

I need hardly say that in a couple of days I was at loggerheads with all the mountaineers in that inn. They couldn't stand me. They didn't like my neck with its strong, fine Adam's apple—being mostly men

with their heads *jammed* on—and they didn't like the way I bore myself and lifted my aviator's nose to the peaks. They didn't like my being a vegetarian and the way I evidently enjoyed it, and they didn't like the touch of colour, orange and green, in my rough serge suit. They were all of the dingy school—the sort of men I call gentlemanly owls—shy, correct-minded creatures, mostly from Oxford, and as solemn over their climbing as a cat frying eggs. Sage they were, great headnodders, and “I-wouldn't-venture-to-do-a-thing-like-that”-ers. They always did what the books and guides advised, and they classed themselves by their seasons; one was in his ninth season, and another in his tenth, and so on. I was a novice and had to sit with my mouth open for bits of humble-pie.

My style that! Rather!

I would sit in the smoking-room sucking away at a pipeful of hygienic herb tobacco—they said it smelt like burning garden rubbish—and waiting to put my spoke in and let a little light into their minds. They set aside their natural reticence altogether in their efforts to show how much they didn't like me.

“You chaps take these blessed mountains too seriously,” I said. “They're larks, and you've got to lark with them.”

They just slued their eyes round at me.

“I don't find the solemn joy in fussing you do. The old-style mountaineers went up with alpenstocks and ladders and light hearts. That's my idea of mountaineering.”

“It isn't ours,” said one red-boiled hero of the peaks, all blisters and peeling skin, and he said it with an air of crushing me.

“It's the right idea,” I said serenely, and puffed at my herb tobacco.

"When you've had a bit of experience you'll know better," said another, an oldish young man with a small grey beard.

"Experience never taught *me* anything," I said.

"Apparently not," said some one, and left me one down and me to play. I kept perfectly tranquil.

"I mean to do the Mörderberg before I go down," I said quietly and produced a sensation.

"When are you going down?"

"Week or so," I answered, unperturbed.

"It's not the climb a man ought to attempt in his first year," said the peeling gentleman.

"*You* particularly ought not to try it," said another.

"No guide will go with you."

"Foolhardy idea."

"Mere brag."

"Like to see him do it."

I just let them boil for a bit, and when they were back to the simmer I dropped in, pensively, with, "Very likely I'll take that little mother of mine. She's small, bless her, but she's as hard as nails."

But they saw they were being drawn by my ill-concealed smile; and this time they contented themselves with a few grunts and grunt-like remarks, and then broke up into little conversations in undertones that pointedly excluded me. It had the effect of hardening my purpose. I'm a stiff man when I'm put on my mettle, and I determined that the little mother *should* go up the Mörderberg, where half these solemn experts hadn't been, even if I had to be killed or orphaned in the attempt. So I spoke to her about it the next day. She was in a deck-chair on the veranda, wrapped up in rugs and looking at the peaks

"Comfy?" I said.

"Very," she said.

" Getting rested ? "

" It's so nice."

I strolled to the rail of the veranda. " See that peak there, mummy ? "

She nodded happily, with eyes half shut.

" That's the Mörderberg. You and me have got to be up there the day after to-morrow."

Her eyes opened a bit. " Wouldn't it be rather a climb, dearest ? " she said.

" I'll manage that all right," I said, and she smiled consentingly and closed her eyes.

" So long as you manage it," she said.

I went down the valley that afternoon to Daxdam to get gear and guides and porters, and I spent the next day in glacier and rock practice above the hotel. That didn't add to my popularity. I made two little slips. One took me down a crevasse—I've an extraordinary knack of going down crevasses—and a party of three which was starting for the Kinderspitz spent an hour and a half fishing me out ; and the other led to my dropping my ice-axe on a little string of people going for the Humpi glacier. It didn't go within thirty inches of any one, but you might have thought from the row they made that I had knocked out the collective brains of the party. Quite frightful language they used, and three ladies with them, too !

The next day there was something very like an organized attempt to prevent our start. They brought out the landlord, they remonstrated with mother, they did their best to blacken the character of my two guides. The landlord's brother had a first-class row with them.

" Two years ago," he said, " they lost their Herr ! "

" No particular reason," I said, " why you shouldn't keep yours on, is it ? "

That settled him. He wasn't up to a polyglot pun, and it stuck in his mind like a fishbone in the throat.

Then the peeling gentleman came along and tried to overhaul our equipment. "Have you got this?" it was, and "Have you got that?"

"Two things," I said, looking at his nose pretty hard, "we haven't forgotten. One's blue veils and the other vaseline."

I've still a bright little memory of the start. There was the pass a couple of hundred feet or so below the hotel, and the hotel—all name and windows—standing out in a great, desolate, rocky place against lumpy masses of streaky green rock, flecked here and there with patches of snow and dark shelves of rhododendron, and rising perhaps a thousand feet towards the western spur of the massif. Our path ran before us, meandering among the boulders down to stepping-stones over a rivulet, and then upward on the other side of the stream towards the Magenruhe glacier, where we had to go up the rocks to the left and then across the icefall to shelves on the precipitous face on the west side. It was dawn, the sun had still to rise, and everything looked very cold and blue and vast about us. Every one in the hotel had turned out to bear a hand in the row—some of the *déshabilles* were disgraceful—and now they stood in a silent group watching us recede. The last word I caught was, "They'll have to come back."

"We'll come back all right," I answered. "Never fear."

And so we went our way, cool and deliberate, over the stream and up and up towards the steep snowfields and icy shoulder of the Mörderberg. I remember that we went in absolute silence for a time, and then how suddenly the landscape gladdened with sunrise, and in

an instant, as if speech had thawed, all our tongues were babbling.

I had one or two things in the baggage that I hadn't cared for the people at the inn to see, and I had made no effort to explain why I had five porters with the load of two and a half. But when we came to the ice-fall I showed my hand a little, and unslung a stout twine hammock for the mater. We put her in this with a rug round her, and sewed her in with a few stitches; then we roped up in line, with me last but one and a guide front and rear, and mummy in the middle carried by two of the porters. I stuck my alpenstock through two holes I had made in the shoulders of my jacket under my rucksac, T-shape to my body, so that when I went down a crevasse, as I did ever and again, I just stuck in its jaws and came up easy as the rope grew taut. And so, except for one or two bumps that made the mater chuckle, we got over without misadventure.

Then came the rock climb on the other side, requiring much judgment. We had to get from ledge to ledge as opportunity offered, and here the little mother was a perfect godsend. We unpacked her after we had slung her over the big fissure—I forget what you call it—that always comes between glacier and rock—and whenever we came to a bit of ledge within eight feet of the one we were working along, the two guides took her and slung her up, she being so light, and then she was able to give a foot for the next man to hold by and hoist himself. She said we were all pulling her leg, and that made her and me laugh so much that the whole party had to wait for us.

It was pretty tiring altogether doing that bit of the climb—two hours we had of it before we got to the

loose masses of rock on the top of the arête. "It's worse going down," said the elder guide.

I looked back for the first time, and I confess it did make me feel a bit giddy. There was the glacier looking quite petty, and with a black gash between itself and the rocks.

For a time it was pretty fair going up the rocky edge of the arête, and nothing happened of any importance, except that one of the porters took to grouching because he was hit on the shin by a stone I dislodged. "Fortunes of war," I said, but he didn't seem to see it, and when I just missed him with a second he broke out into a long, whining discourse in what I suppose he thought was German—I couldn't make head or tail of it.

"He says you might have killed him," said the little mother.

"They say," I quoted. "What say they? *Let them say.*"

I was for stopping and filling him up with a feed, but the elder guide wouldn't have it. We had already lost time, he said, and the traverse round the other face of the mountain would be more and more subject to avalanches as the sun got up. So we went on. As we went round the corner to the other face I turned towards the hotel—it was the meanest little oblong spot by now—and made a derisive gesture or so for the benefit of any one at the telescope.

We did get one rock-avalanche that reduced the hindmost guide to audible prayer, but nothing hit us except a few bits of snow. The rest of the fall was a couple of yards and more out from us. We were on rock just then and overhung; before and afterwards we were edging along steps in an ice-slope cut by the foremost guide, and touched up by the porters. The

avalanche was much more impressive before it came in sight, banging and thundering overhead, and it made a tremendous uproar in the blue deeps beneath, but in actual transit it seemed a mean show—mostly of stones smaller than I am.

“All right?” said the guide.

“Toned up,” I answered.

“I suppose it is safe, dear?” asked the little mother.

“Safe as Trafalgar Square,” I said. “Hop along, mummykins.”

Which she did with remarkable agility.

The traverse took us on to old snow at last, and here we could rest for lunch—and pretty glad we were both of lunch and rest. But here the trouble with the guides and porters thickened. They were already a little ruffled about my animating way with loose rocks, and now they kicked up a tremendous shindy because instead of the customary brandy we had brought non-alcoholic ginger cordial. Would they even try it? Not a bit of it! It was a queer little dispute, high up in that rarefied air, about food values and the advantages of making sandwiches with nuttar. They were an odd lot of men, invincibly set upon a vitiated and vitiating dietary. They wanted meat, they wanted alcohol, they wanted narcotics to smoke. You might have thought that men like these, living in almost direct contact with Nature, would have liked “Nature” foods, such as plasmon, protose, plobose, digestine, and so forth. Not them! They just craved for corruption. When I spoke of drinking pure water one of the porters spat in a marked, symbolic manner over the precipice. From that point onward discontent prevailed.

We started again about half-past eleven, after a vain

attempt on the part of the head guide to induce us to turn back. We had now come to what is generally the most difficult part of the Mörderberg ascent, the edge that leads up to the snowfield below the crest. But here we came suddenly into a draught of warm air blowing from the south-west, and everything, the guide said, was unusual. Usually the edge is a sheet of ice over rock. To-day it was wet and soft, and one could kick steps in it and get one's toes into rock with the utmost ease.

"This is where Herr Tomlinson's party fell," said one of the porters, after we'd committed ourselves to the edge for ten minutes or so.

"Some people could fall out of a four-post bed," I said.

"It'll freeze hard again before we come back," said the second guide, "and us with nothing but verdammt ginger inside of us."

"You keep your rope taut," said I.

A friendly ledge came to the help of mother in the nick of time, just as she was beginning to tire, and we sewed her up all but the feet in her hammock again, and roped her carefully. She bumped a bit, and at times she was just hanging over immensity and rotating slowly, with everybody else holding like grim death.

"My dear," she said, the first time this happened, "is it *right* for me to be doing this?"

"Quite right," I said, "but if you can get a foothold presently again—it's rather better style."

"You're sure there's no danger, dear?"

"Not a scrap."

"And I don't fatigue you?"

"You're a stimulant."

"The view," she said, "is certainly becoming very beautiful."

But presently the view blotted itself out, and we were in clouds and a thin drift of almost thawing snowflakes.

We reached the upper snowfield about half-past one, and the snow was extraordinarily soft. The elder guide went in up to his armpits.

"Frog it," I said, and spread myself out flat, in a sort of swimming attitude. So we bored our way up to the crest and along it. We went in little spurts and then stopped for breath, and we dragged the little mother after us in her hammock-bag. Sometimes the snow was so good we fairly skimmed the surface; sometimes it was so rotten we plunged right into it and splashed about. I went too near the snow cornice once and it broke under me, but the rope saved me, and we reached the summit about three o'clock without further misadventure. The summit was just bare rock with the usual cairn and pole. Nothing to make a fuss about. The drift of snow and cloudwisp had passed, the sun was blazing hot overhead, and we seemed to be surveying all Switzerland. The Magenruhe Hotel was at our toes, hidden, so to speak, by our chins. We squatted about the cairn, and the guides and porters were reduced to ginger and vegetarian ham-sandwiches. I cut and scratched an inscription, saying I had climbed on simple food, and claiming a record.

Seen from the summit the snowfields on the north-east side of the mountain looked extremely attractive, and I asked the head guide why that way up wasn't used. He said something in his peculiar German about precipices.

So far our ascent had been a fairly correct ascent in rather slow time. It was in the descent that that strain in me of almost unpremeditated originality had

play. I wouldn't have the rope returning across the upper snowfield, because mother's feet and hands were cold, and I wanted her to jump about a bit. And before I could do anything to prevent it she had slipped, tried to get up by rolling over *down* the slope instead of up, as she ought to have done, and was leading the way, rolling over and over and over, down towards the guide's blessed precipices above the lower snowfield.

I didn't lose an instant in flinging myself after her, axe up, in glissading attitude. I'm not clear what I meant to do, but I fancy the idea was to get in front of her and put on the brake. I did not succeed, anyhow. In twenty seconds I had slipped, and was sitting down and going down out of my own control altogether.

Now, most great discoveries are the result of accident, and I maintain that in that instant mother and I discovered two distinct and novel ways of coming down a mountain.

It is necessary that there should be first a snow-slope above with a layer of softish, rotten snow on the top of ice, then a precipice, with a snow-covered talus sloping steeply at first and then less steeply, then more snow-slopes and precipices according to taste, ending in a snowfield or a not-too-greatly-fissured glacier, or a reasonable, not-too-rocky slope. Then it all becomes as easy as chuting the chutes.

Mother hit on the sideways method. She rolled. With the snow in the adhesive state it had got into she had made the jolliest little snowball of herself in half a minute, and the nucleus of as clean and abundant a snow avalanche as any one could wish. There was plenty of snow going in front of her, and that's the very essence of both our methods. You must fall on your

snow, not your snow on you, or it smashes you. And you mustn't mix yourself up with loose stones.

I, on the other hand, went down feet first, and rather like a snow-plough; slower than she did, and if, perhaps, with less charm, with more dignity. Also, I saw more. But it was certainly a tremendous rush. And I gave a sort of gulp when mummy bumped over the edge into the empty air and vanished.

It was like a toboggan ride gone mad down the slope until I took off from the edge of the precipice, and then it was like a dream.

I'd always thought falling must be horrible. It wasn't in the slightest degree. I might have hung with my clouds and lumps of snow about me for weeks, so great was my serenity. I had an impression then that I was as good as killed—and that it didn't matter. I wasn't afraid—that's nothing!—but I wasn't a bit uncomfortable. Whack! We'd hit something, and I expected to be flying to bits right and left. But we'd only got on to the snow-slope below, at so steep an angle that it was merely breaking the fall. Down we went again. I didn't see much of the view after that because the snow was all round and over my head, but I kept feet foremost and in a kind of sitting posture, and then I slowed and then I quickened again and bumped rather, and then harder, and bumped and then bumped again and came to rest. This time I was altogether buried in snow, and twisted sideways with a lot of heavy snow on my right shoulder.

I sat for a bit enjoying the stillness—and then I wondered what had become of mother, and set myself to get out of the snow about me. It wasn't so easy as you might think; the stuff was all in lumps and spaces like a gigantic sponge, and I lost my temper and struggled and swore a good deal, but at last I managed

it. I crawled out and found myself on the edge of heaped masses of snow quite close to the upper part of the Magenruhe glacier. And far away, right up the glacier and near the other side, was a little thing like a black-beetle struggling in the heart of an immense split ball of snow.

I put my hands to my mouth and let out with my version of the yodel, and presently I saw her waving her hand.

It took me nearly twenty minutes to get to her. I knew my weakness, and I was very careful of every crevasse I came near. When I got up to her her face was anxious.

"What have you done with the guides?" she asked.

"They've got too much to carry," I said. "They're coming down another way. Did you like it?"

"Not very much, dear," she said; "but I dare say I shall get used to these things. Which way do we go now?"

I decided we'd find a snow-bridge across the bergschrund—that's the word I forgot just now—and so get on to the rocks on the east side of the glacier, and after that we had uneventful going right down to the hotel. . . .

Our return evoked such a strain of hostility and envy as I have never met before or since. First they tried to make out we'd never been to the top at all, but mother's little proud voice settled that sort of insult. And, besides, there was the evidence of the guides and porters following us down. When they asked about the guides, "They're following *your* methods," I said, "and I suppose they'll get back here to-morrow morning somewhere."

That didn't please them.

I claimed a record. They said my methods were illegitimate.

"If I see fit," I said, "to use an avalanche to get back by, what's that to you? You tell me me and mother can't do the confounded mountain anyhow, and when we do you want to invent a lot of rules to disqualify us. You'll say next one mustn't glissade. I've made a record, and you know I've made a record, and you're about as sour as you can be. The fact of it is, you chaps don't know your own silly business. Here's a good, quick way of coming down a mountain, and you ought to know about it——"

"The chance that both of you are not killed was one in a thousand."

"Nonsense! It's the proper way to come down for any one who hasn't a hide-bound mind. You chaps ought to practise falling great heights in snow. It's perfectly easy and perfectly safe, if only you know how to set about it."

"Look here, young man," said the oldish young man with the little grey beard, "you don't seem to understand that you and that lady have been saved by a kind of miracle——"

"Theory!" I interrupted. "I'm surprised you fellows ever come to Switzerland. If I were your kind I'd just invent theoretical mountains and play for points. However, you're tired, little mummy. It's time you had some nice warm soup and tucked yourself up in bed. I shan't let you get up for six-and-thirty hours."

But it's queer how people detest a little originality.
1898.

VII

THE REMARKABLE CASE OF DAVIDSON'S EYES

THE transitory mental aberration of Sidney Davidson, remarkable enough in itself, is still more remarkable if Wade's explanation is to be credited. It sets one dreaming of the oddest possibilities of intercommunication in the future, of spending an intercalary five minutes on the other side of the world, or being watched in our most secret operations by unsuspected eyes. It happened that I was the immediate witness of Davidson's seizure, and so it falls naturally to me to put the story upon paper.

When I say that I was the immediate witness of his seizure, I mean that I was the first on the scene. The thing happened at the Harlow Technical College, just beyond the Highgate Archway. He was alone in the larger laboratory when the thing happened. I was in a smaller room, where the balances are, writing up some notes. The thunderstorm had completely upset my work, of course. It was just after one of the louder peals that I thought I heard some glass smash in the other room. I stopped writing, and turned round to listen. For a moment I heard nothing ; the hail was playing the devil's tattoo on the corrugated zinc of the roof. Then came another sound, a smash—no doubt of it this time. Something heavy had been knocked

off the bench. I jumped up at once and went and opened the door leading into the big laboratory.

I was surprised to hear a queer sort of laugh, and saw Davidson standing unsteadily in the middle of the room, with a dazzled look on his face. My first impression was that he was drunk. He did not notice me. He was clawing out at something invisible a yard in front of his face. He put out his hand slowly, rather hesitatingly, and then clutched nothing. "What's come to it?" he said. He held up his hands to his face, fingers spread out. "Great Scott!" he said. The thing happened three or four years ago, when every one swore by that personage. Then he began raising his feet clumsily, as though he had expected to find them glued to the floor.

"Davidson!" cried I. "What's the matter with you?" He turned round in my direction and looked about for me. He looked over me and at me and on either side of me, without the slightest sign of seeing me. "Waves," he said; "and a remarkably neat schooner. I'd swear that was Bellow's voice. *Hallo!*" He shouted suddenly at the top of his voice.

I thought he was up to some foolery. Then I saw littered about his feet the shattered remains of the best of our electrometers. "What's up, man?" said I. "You've smashed the electrometer!"

"Bellows again!" said he. "Friends left, if my hands are gone. Something about electrometers. Which way *are* you, Bellows?" He suddenly came staggering towards me. "The damned stuff cuts like butter," he said. He walked straight into the bench and recoiled. "None so buttery that!" he said, and stood swaying.

I felt scared. "Davidson," said I, "what on earth's come over you?"

He looked round him in every direction. "I could swear that was Bellows. Why don't you show yourself like a man, Bellows?"

It occurred to me that he must be suddenly struck blind. I walked round the table and laid my hand upon his arm. I never saw a man more startled in my life. He jumped away from me, and came round into an attitude of self-defence, his face fairly distorted with terror. "Good God!" he cried. "What was that?"

"It's I—Bellows. Confound it, Davidson!"

He jumped when I answered him and stared—how can I express it?—right through me. He began talking, not to me, but to himself. "Here in broad daylight on a clear beach. Not a place to hide in." He looked about him wildly. "Here! I'm off." He suddenly turned and ran headlong into the big electromagnet—so violently that, as we found afterwards, he bruised his shoulder and jawbone cruelly. At that he stepped back a pace, and cried out with almost a whimper: "What, in Heaven's name, has come over me?" He stood, blanched with terror and trembling violently, with his right arm clutching his left, where that had collided with the magnet.

By that time I was excited and fairly scared. "Davidson," said I, "don't be afraid."

He was startled at my voice, but not so excessively as before. I repeated my words in as clear and as firm a tone as I could assume. "Bellows," he said, "is that you?"

"Can't you see it's me?"

He laughed. "I can't even see it's myself. Where the devil are we?"

"Here," said I, "in the laboratory."

"The laboratory!" he answered in a puzzled tone,

and put his hand to his forehead. "I *was* in the laboratory—till that flash came, but I'm hanged if I'm there now. What ship is that?"

"There's no ship," said I. "Do be sensible, old chap."

"No ship!" he repeated, and seemed to forget my denial forthwith. "I suppose," said he slowly, "we're both dead. But the rummy part is I feel just as though I still had a body. Don't get used to it all at once, I suppose. The old ship was struck by lightning, I suppose. Jolly quick thing, Bellows—eigh?"

"Don't talk nonsense. You're very much alive. You are in the laboratory, blundering about. You've just smashed a new electrometer. I don't envy you when Boyce arrives."

He stared away from me towards the diagrams of cryohydrates. "I must be deaf," said he. "They've fired a gun, for there goes the puff of smoke, and I never heard a sound."

I put my hand on his arm again, and this time he was less alarmed. "We seem to have a sort of invisible bodies," said he. "By Jove! there's a boat coming round the headland. It's very much like the old life after all—in a different climate."

I shook his arm. "Davidson," I cried, "wake up!"

It was just then that Boyce came in. So soon as he spoke Davidson exclaimed: "Old Boyce! Dead too! What a lark!" I hastened to explain that Davidson was in a kind of somnambulistic trance. Boyce was interested at once. We both did all we could to rouse the fellow out of his extraordinary state. He answered our questions, and asked us some of his own, but his attention seemed distracted by his hallucination about a beach and a ship. He kept

interpolating observations concerning some boat and the davits, and sails filling with the wind. It made one feel queer, in the dusky laboratory, to hear him saying such things.

He was blind and helpless. We had to walk him down the passage, one at each elbow, to Boyce's private room, and while Boyce talked to him there, and humoured him about this ship idea, I went along the corridor and asked old Wade to come and look at him. The voice of our Dean sobered him a little, but not very much. He asked where his hands were, and why he had to walk about up to his waist in the ground. Wade thought over him a long time—you know how he knits his brows—and then made him feel the couch, guiding his hands to it. "That's a couch," said Wade. "The couch in the private room of Prof. Boyce. Horsehair stuffing."

Davidson felt about, and puzzled over it, and answered presently that he could feel it all right, but he couldn't see it.

"What *do* you see?" asked Wade. Davidson said he could see nothing but a lot of sand and broken-up shells. Wade gave him some other things to feel, telling him what they were, and watching him keenly.

"The ship is almost hull down," said Davidson presently, apropos of nothing.

"Never mind the ship," said Wade. "Listen to me, Davidson. Do you know what hallucination means?"

"Rather," said Davidson.

"Well, everything you see is hallucinatory."

"Bishop Berkeley," said Davidson.

"Don't mistake me," said Wade. "You are alive and in this room of Boyce's. But something has hap-

pened to your eyes. You cannot see ; you can feel and hear, but not see. Do you follow me ? ”

“ It seems to me that I see too much.” Davidson rubbed his knuckles into his eyes. “ Well ? ” he said.

“ That’s all. Don’t let it perplex you. Bellows here and I will take you home in a cab.”

“ Wait a bit,” Davidson thought. “ Help me to sit down,” said he presently ; “ and now—I’m sorry to trouble you—but will you tell me all that over again ! ”

Wade repeated it very patiently. Davidson shut his eyes, and pressed his hands upon his forehead. “ Yes,” said he. “ It’s quite right. Now my eyes are shut I know you’re right. That’s you, Bellows, sitting by me on the couch. I’m in England again. And we’re in the dark.”

Then he opened his eyes. “ And there,” said he, “ is the sun just rising, and the yards of the ship, and a tumbled sea, and a couple of birds flying. I never saw anything so real. And I’m sitting up to my neck in a bank of sand.”

He bent forward and covered his face with his hands. Then he opened his eyes again. “ Dark sea and sunrise ! And yet I’m sitting on a sofa in old Boyce’s room ! . . . God help me ! ”

That was the beginning. For three weeks this strange affection of Davidson’s eyes continued unabated. It was far worse than being blind. He was absolutely helpless, and had to be fed like a newly hatched bird, and led about and undressed. If he attempted to move, he fell over things or struck himself against walls or doors. After a day or so he got used to hearing our voices without seeing us, and willingly admitted he was at home, and that Wade was right in what he told him. My sister, to whom

he was engaged, insisted on coming to see him, and would sit for hours every day while he talked about this beach of his. Holding her hand seemed to comfort him immensely. He explained that when we left the College and drove home—he lived in Hampstead village—it appeared to him as if we drove right through a sandhill—it was perfectly black until he emerged again—and through rocks and trees and solid obstacles, and when he was taken to his own room it made him giddy and almost frantic with the fear of falling, because going upstairs seemed to lift him thirty or forty feet above the rocks of his imaginary island. He kept saying he should smash all the eggs. The end was that he had to be taken down into his father's consulting-room and laid upon a couch that stood there.

He described the island as being a bleak kind of place on the whole, with very little vegetation, except some peaty stuff, and a lot of bare rock. There were multitudes of penguins, and they made the rocks white and disagreeable to see. The sea was often rough, and once there was a thunderstorm, and he lay and shouted at the silent flashes. Once or twice seals pulled up on the beach, but only on the first two or three days. He said it was very funny the way in which the penguins used to waddle right through him, and how he seemed to lie among them without disturbing them.

I remember one odd thing, and that was when he wanted very badly to smoke. We put a pipe in his hands—he almost poked his eye out with it—and lit it. But he couldn't taste anything. I've since found it's the same with me—I don't know if it's the usual case—that I cannot enjoy tobacco at all unless I can see the smoke.

But the queerest part of his vision came when Wade

sent him out in a bath-chair to get fresh air. The Davidsons hired a chair, and got that deaf and obstinate dependant of theirs, Widgery, to attend to it. Widgery's ideas of healthy expeditions were peculiar. My sister, who had been to the Dogs' Home, met them in Camden Town, towards King's Cross, Widgery trotting along complacently, and Davidson, evidently most distressed, trying in his feeble, blind way to attract Widgery's attention.

He positively wept when my sister spoke to him. "Oh, get me out of this horrible darkness!" he said, feeling for her hand. "I must get out of it, or I shall die." He was quite incapable of explaining what was the matter, but my sister decided he must go home, and presently, as they went uphill towards Hampstead, the horror seemed to drop from him. He said it was good to see the stars again, though it was then about noon and a blazing day.

"It seemed," he told me afterwards, "as if I was being carried irresistibly towards the water. I was not very much alarmed at first. Of course it was night there—a lovely night."

"Of course?" I asked, for that struck me as odd.

"Of course," said he. "It's always night there when it is day here. . . . Well, we went right into the water, which was calm and shining under the moonlight—just a broad swell that seemed to grow broader and flatter as I came down into it. The surface glistened just like a skin—it might have been empty space underneath for all I could tell to the contrary. Very slowly, for I rode slanting into it, the water crept up to my eyes. Then I went under and the skin seemed to break and heal again about my eyes. The moon gave a jump up in the sky and grew green and dim, and fish, faintly glowing, came darting

round me—and things that seemed made of luminous glass ; and I passed through a tangle of seaweeds that shone with an oily lustre. And so I drove down into the sea, and the stars went out one by one, and the moon grew greener and darker, and the seaweed became a luminous purple-red. It was all very faint and mysterious, and everything seemed to quiver. And all the while I could hear the wheels of the bath-chair creaking, and the footsteps of people going by, and a man in the distance selling the special *Pall Mall*.

“ I kept sinking down deeper and deeper into the water. It became inky black about me, not a ray from above came down into that darkness, and the phosphorescent things grew brighter and brighter. The snaky branches of the deeper weeds flickered like the flames of spirit-lamps ; but, after a time, there were no more weeds. The fishes came staring and gaping towards me, and into me and through me. I never imagined such fishes before. They had lines of fire along the sides of them as though they had been outlined with a luminous pencil. And there was a ghastly thing swimming backward with a lot of twining arms. And then I saw, coming very slowly towards me through the gloom, a hazy mass of light that resolved itself as it drew nearer into multitudes of fishes, struggling and darting round something that drifted. I drove on straight towards it, and presently I saw in the midst of the tumult, and by the light of the fish, a bit of splintered spar looming over me, and a dark hull tilting over, and some glowing phosphorescent forms that were shaken and writhed as the fish bit at them. Then it was I began to try to attract Widgery's attention. A horror came upon me. Ugh ! I should have driven right into those half-eaten — things. If your sister had not come ! They had great

holes in them, Bellows, and . . . Never mind. But it was ghastly ! ”

For three weeks Davidson remained in this singular state, seeing what at the time we imagined was an altogether phantasmal world, and stone blind to the world around him. Then, one Tuesday, when I called I met old Davidson in the passage. “ He can see his thumb ! ” the old gentleman said, in a perfect transport. He was struggling into his overcoat. “ He can see his thumb, Bellows ! ” he said, with the tears in his eyes. “ The lad will be all right yet.”

I rushed in to Davidson. He was holding up a little book before his face, and looking at it and laughing in a weak kind of way.

“ It’s amazing,” said he. “ There’s a kind of patch come there.” He pointed with his finger. “ I’m on the rocks as usual, and the penguins are staggering and flapping about as usual, and there’s been a whale showing every now and then, but it’s got too dark now to make him out. But put something *there*, and I see it—I do see it. It’s very dim and broken in places, but I see it all the same, like a faint spectre of itself. I found it out this morning while they were dressing me. It’s like a hole in this infernal phantom world. Just put your hand by mine. No—not there. Ah ! Yes ! I see it. The base of your thumb and a bit of cuff ! It looks like the ghost of a bit of your hand sticking out of the darkling sky. Just by it there’s a group of stars like a cross coming out.”

From that time Davidson began to mend. His account of the change, like his account of the vision, was oddly convincing. Over patches of his field of vision, the phantom world grew fainter, grew transparent, as it were, and through these translucent gaps he began to see dimly the real world about him. The

patches grew in size and number, ran together and spread until only here and there were blind spots left upon his eyes. He was able to get up and steer himself about, feed himself once more, read, smoke, and behave like an ordinary citizen again. At first it was very confusing to him to have these two pictures overlapping each other like the changing views of a lantern, but in a little while he began to distinguish the real from the illusory.

At first he was unfeignedly glad, and seemed only too anxious to complete his cure by taking exercise and tonics. But as that odd island of his began to fade away from him, he became queerly interested in it. He wanted particularly to go down into the deep sea again, and would spend half his time wandering about the low-lying parts of London, trying to find the waterlogged wreck he had seen drifting. The glare of real daylight very soon impressed him so vividly as to blot out everything of his shadowy world, but of a night-time, in a darkened room, he could still see the white-splashed rocks of the island, and the clumsy penguins staggering to and fro. But even these grew fainter and fainter, and, at last, soon after he married my sister, he saw them for the last time.

And now to tell of the queerest thing of all. About two years after his cure I dined with the Davidsons, and after dinner a man named Atkins called in. He is a lieutenant in the Royal Navy, and a pleasant, talkative man. He was on friendly terms with my brother-in-law, and was soon on friendly terms with me. It came out that he was engaged to Davidson's cousin, and incidentally he took out a kind of pocket photograph case to show us a new rendering of his fiancée. "And, by-the-bye," said he, "here's the old *Fulmar*."

Davidson looked at it casually. Then suddenly his face lit up. "Good heavens!" said he. "I could almost swear——"

"What?" said Atkins.

"That I had seen that ship before."

"Don't see how you can have. She hasn't been out of the South Seas for six years, and before then . . ."

"But," began Davidson, and then: "Yes—that's the ship I dreamt of; I'm sure that's the ship I dreamt of. She was standing off an island that swarmed with penguins, and she fired a gun."

"Good Lord!" said Atkins, who had now heard the particulars of the seizure. "How the deuce could you dream that?"

And then, bit by bit, it came out that on the very day Davidson was seized, H.M.S. *Fulmar* had actually been off a little rock to the south of Antipodes Island. A boat had landed overnight to get penguins' eggs, had been delayed, and a thunderstorm drifting up, the boat's crew had waited until the morning before rejoining the ship. Atkins had been one of them, and he corroborated, word for word, the descriptions Davidson had given of the island and the boat. There is not the slightest doubt in any of our minds that Davidson has really seen the place. In some unaccountable way, while he moved hither and thither in London, his sight moved hither and thither in a manner that corresponded, about this distant island. *How* is absolutely a mystery.

That completes the remarkable story of Davidson's eyes. It's perhaps the best authenticated case in existence of real vision at a distance. Explanation there is none forthcoming, except what Prof. Wade has thrown out. But his explanation involves the Fourth Dimension, and a dissertation on theoretical kinds of space.

To talk of there being "a kink in space" seems mere nonsense to me; it may be because I am no mathematician. When I said that nothing would alter the fact that the place is eight thousand miles away, he answered that two points might be a yard away on a sheet of paper, and yet be brought together by bending the paper round. The reader may grasp his argument, but I certainly do not. His idea seems to be that Davidson, stooping between the poles of the big electro-magnet, had some extraordinary twist given to his retinal elements through the sudden change in the field of force due to the lightning.

He thinks, as a consequence of this, that it may be possible to live visually in one part of the world, while one lives bodily in another. He has even made some experiments in support of his views; but, so far, he has simply succeeded in blinding a few dogs. I believe that is the net result of his work, though I have not seen him for some weeks. Latterly I have been so busy with my work in connection with the Saint Pancras installation that I have had little opportunity of calling to see him. But the whole of his theory seems fantastic to me. The facts concerning Davidson stand on an altogether different footing, and I can testify personally to the accuracy of every detail I have given.

The Stolen Bacillus and Other Incidents. 1895.

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VIII

THE COUNTRY OF THE BLIND

THREE hundred miles and more from Chimborazo, one hundred from the snows of Cotopaxi, in the wildest wastes of Ecuador's Andes, there lies that mysterious mountain valley, cut off from the world of men, the Country of the Blind. Long years ago that valley lay so far open to the world that men might come at last through frightful gorges and over an icy pass into its equable meadows, and thither indeed men came, a family or so of Peruvian half-breeds fleeing from the lust and tyranny of an evil Spanish ruler. Then came the stupendous outbreak of Mindobamba, when it was night in Quito for seventeen days, and the water was boiling at Yaguachi and all the fish floating dying even as far as Guayaquil; everywhere along the Pacific slopes there were landslips and swift thawings and sudden floods, and one whole side of the old Arauca crest slipped and came down in thunder, and cut off the Country of the Blind for ever from the exploring feet of men. But one of these early settlers had chanced to be on the hither side of the gorges when the world had so terribly shaken itself, and he perforce had to forget his wife and his child and all the friends and possessions he had left up there, and start life over again in the lower world. He started it again

but ill, blindness overtook him, and he died of punishment in the mines ; but the story he told begot a legend that lingers along the length of the Cordilleras of the Andes to this day.

He told of his reason for venturing back from that fastness, into which he had first been carried lashed to a llama, beside a vast bale of gear, when he was a child. The valley, he said, had in it all that the heart of man could desire—sweet water, pasture, and even climate, slopes of rich brown soil with tangles of a shrub that bore an excellent fruit, and on one side great hanging forests of pine that held the avalanches high. Far overhead, on three sides, vast cliffs of grey-green rock were capped by cliffs of ice ; but the glacier stream came not to them but flowed away by the farther slopes, and only now and then huge ice masses fell on the valley side. In this valley it neither rained nor snowed, but the abundant springs gave a rich green pasture, that irrigation would spread over all the valley space. The settlers did well indeed there. Their beasts did well and multiplied, and but one thing marred their happiness. Yet it was enough to mar it greatly. A strange disease had come upon them, and had made all the children born to them there—and indeed, several older children also—blind. It was to seek some charm or antidote against this plague of blindness that he had with fatigue and danger and difficulty returned down the gorge. In those days, in such cases, men did not think of germs and infections but of sins ; and it seemed to him that the reason of this affliction must lie in the negligence of these priestless immigrants to set up a shrine so soon as they entered the valley. He wanted a shrine—a handsome, cheap, effectual shrine—to be erected in the valley ; he wanted relics and such-like potent

things of faith, blessed objects and mysterious medals and prayers. In his wallet he had a bar of native silver for which he would not account ; he insisted there was none in the valley with something of the insistence of an inexperienced liar. They had all clubbed their money and ornaments together, having little need for such treasure up there, he said, to buy them holy help against their ill. I figure this dim-eyed young mountaineer, sunburnt, gaunt, and anxious, hat-brim clutched feverishly, a man all unused to the ways of the lower world, telling this story to some keen-eyed, attentive priest before the great convulsion ; I can picture him presently seeking to return with pious and infallible remedies against that trouble, and the infinite dismay with which he must have faced the tumbled vastness where the gorge had once come out. But the rest of his story of mischances is lost to me, save that I know of his evil death after several years. Poor stray from that remoteness ! The stream that had once made the gorge now bursts from the mouth of a rocky cave, and the legend his poor, ill-told story set going developed into the legend of a race of blind men somewhere " over there " one may still hear to-day.

And amidst the little population of that now isolated and forgotten valley the disease ran its course. The old became groping and purblind, the young saw but dimly, and the children that were born to them saw never at all. But life was very easy in that snow-rimmed basin, lost to all the world, with neither thorns nor briars, with no evil insects nor any beasts save the gentle breed of llamas they had lugged and thrust and followed up the beds of the shrunken rivers in the gorges up which they had come. The seeing had become purblind so gradually that they

scarcely noted their loss. They guided the sightless youngsters hither and thither until they knew the whole valley marvellously, and when at last sight died out among them the race lived on. They had even time to adapt themselves to the blind control of fire, which they made carefully in stoves of stone. They were a simple strain of people at the first, unlettered, only slightly touched with the Spanish civilization, but with something of a tradition of the arts of old Peru and of its lost philosophy. Generation followed generation. They forgot many things ; they devised many things. Their tradition of the greater world they came from became mythical in colour and uncertain. In all things save sight they were strong and able ; and presently the chance of birth and heredity sent one who had an original mind and who could talk and persuade among them, and then afterwards another. These two passed, leaving their effects, and the little community grew in numbers and in understanding, and met and settled social and economic problems that arose. Generation followed generation. Generation followed generation. There came a time when a child was born who was fifteen generations from that ancestor who went out of the valley with a bar of silver to seek God's aid, and who never returned. Thereabouts it chanced that a man came into this community from the outer world. And this is the story of that man.

He was a mountaineer from the country near Quito, a man who had been down to the sea and had seen the world, a reader of books in an original way, an acute and enterprising man, and he was taken on by a party of Englishmen who had come out to Ecuador to climb mountains, to replace one of their three Swiss guides who had fallen ill. He climbed here and

he climbed there, and then came the attempt on Parascotopetl, the Matterhorn of the Andes, in which he was lost to the outer world. The story of the accident has been written a dozen times. Pointer's narrative is the best. He tells how the party worked their difficult and almost vertical way up to the very foot of the last and greatest precipice, and how they built a night shelter amidst the snow upon a little shelf of rock, and, with a touch of real dramatic power, how presently they found Nunez had gone from them. They shouted, and there was no reply; shouted and whistled, and for the rest of that night they slept no more.

As the morning broke they saw the traces of his fall. It seems impossible he could have uttered a sound. He had slipped eastward towards the unknown side of the mountain; far below he had struck a steep slope of snow, and ploughed his way down it in the midst of a snow avalanche. His track went straight to the edge of a frightful precipice, and beyond that everything was hidden. Far, far below, and hazy with distance, they could see trees rising out of a narrow, shut-in valley—the lost Country of the Blind. But they did not know it was the lost Country of the Blind, nor distinguish it in any way from any other narrow streak of upland valley. Unnerved by this disaster, they abandoned their attempt in the afternoon, and Pointer was called away to the war before he could make another attack. To this day Parascotopetl lifts an unconquered crest, and Pointer's shelter crumbles unvisited amidst the snows.

And the man who fell survived.

At the end of the slope he fell a thousand feet, and came down in the midst of a cloud of snow upon a snow slope even steeper than the one above. Down

this he was whirled, stunned and insensible, but without a bone broken in his body ; and then at last came to gentler slopes, and at last rolled out and lay still, buried amidst a softening heap of the white masses that had accompanied and saved him. He came to himself with a dim fancy that he was ill in bed ; then realized his position with a mountaineer's intelligence, and worked himself loose and, after a rest or so, out until he saw the stars. He rested flat upon his chest for a space, wondering where he was and what had happened to him. He explored his limbs, and discovered that several of his buttons were gone and his coat turned over his head. His knife had gone from his pocket and his hat was lost, though he had tied it under his chin. He recalled that he had been looking for loose stones to raise his piece of the shelter wall. His ice-axe had disappeared.

He decided he must have fallen, and looked up to see, exaggerated by the ghastly light of the rising moon, the tremendous flight he had taken. For a while he lay, gazing blankly at that vast pale cliff towering above, rising moment by moment out of a subsiding tide of darkness. Its phantasmal, mysterious beauty held him for a space, and then he was seized with a paroxysm of sobbing laughter. . . .

After a great interval of time he became aware that he was near the lower edge of the snow. Below, down what was now a moonlit and practicable slope, he saw the dark and broken appearance of rock-strewn turf. He struggled to his feet, aching in every joint and limb, got down painfully from the heaped loose snow about him, went downward until he was on the turf, and there dropped rather than lay beside a boulder, drank deep from the flask in his inner pocket, and instantly fell asleep. . . .

He was awakened by the singing of birds in the trees far below.

He sat up and perceived he was on a little alp at the foot of a vast precipice, that was grooved by the gully down which he and his snow had come. Over against him another wall of rock reared itself against the sky. The gorge between these precipices ran east and west and was full of the morning sunlight, which lit to the westward the mass of fallen mountain that closed the descending gorge. Below him it seemed there was a precipice equally steep, but behind the snow in the gully he found a sort of chimney-cleft dripping with snow-water down which a desperate man might venture. He found it easier than it seemed, and came at last to another desolate alp, and then after a rock climb of no particular difficulty to a steep slope of trees. He took his bearings and turned his face up the gorge, for he saw it opened out above upon green meadows, among which he now glimpsed quite distinctly a cluster of stone huts of unfamiliar fashion. At times his progress was like clambering along the face of a wall, and after a time the rising sun ceased to strike along the gorge, the voices of the singing birds died away, and the air grew cold and dark about him. But the distant valley with its houses was all the brighter for that. He came presently to talus, and among the rocks he noted—for he was an observant man—an unfamiliar fern that seemed to clutch out of the crevices with intense green hands. He picked a frond or so and gnawed its stalk and found it helpful.

About midday he came at last out of the throat of the gorge into the plain and the sunlight. He was stiff and weary ; he sat down in the shadow of a rock, filled up his flask with water from a spring and drank

it down, and remained for a time resting before he went on to the houses.

They were very strange to his eyes, and indeed the whole aspect of that valley became, as he regarded it, queerer and more unfamiliar. The greater part of its surface was lush green meadow, starred with many beautiful flowers, irrigated with extraordinary care, and bearing evidence of systematic cropping piece by piece. High up and ringing the valley about was a wall, and what appeared to be a circumferential water-channel, from which the little trickles of water that fed the meadow plants came, and on the higher slopes above this flocks of llamas cropped the scanty herbage. Sheds, apparently shelters or feeding-places for the llamas, stood against the boundary wall here and there. The irrigation streams ran together into a main channel down the centre of the valley, and this was enclosed on either side by a wall breast high. This gave a singularly urban quality to this secluded place, a quality that was greatly enhanced by the fact that a number of paths paved with black and white stones, and each with a curious little kerb at the side, ran hither and thither in an orderly manner. The houses of the central village were quite unlike the casual and higgledy-piggledy agglomeration of the mountain villages he knew ; they stood in a continuous row on either side of a central street of astonishing cleanness ; here and there their parti-coloured façade was pierced by a door, and not a solitary window broke their even frontage. They were parti-coloured with extraordinary irregularity ; smeared with a sort of plaster that was sometimes grey, sometimes drab, sometimes slate-coloured or dark brown ; and it was the sight of this wild plastering first brought the word " blind " into the thoughts of the explorer. " The

good man who did that," he thought, "must have been as blind as a bat."

He descended a steep place, and so came to the wall and channel that ran about the valley, near where the latter spouted out its surplus contents into the deeps of the gorge in a thin and wavering thread of cascade. He could now see a number of men and women resting on piled heaps of grass, as if taking a siesta, in the remoter part of the meadow, and nearer the village a number of recumbent children, and then nearer at hand three men carrying pails on yokes along a little path that ran from the encircling wall towards the houses. These latter were clad in garments of llama cloth and boots and belts of leather, and they wore caps of cloth with back and ear flaps. They followed one another in single file, walking slowly and yawning as they walked, like men who have been up all night. There was something so reassuringly prosperous and respectable in their bearing that after a moment's hesitation Nunez stood forward as conspicuously as possible upon his rock, and gave vent to a mighty shout that echoed round the valley.

The three men stopped, and moved their heads as though they were looking about them. They turned their faces this way and that, and Nunez gesticulated with freedom. But they did not appear to see him for all his gestures, and after a time, directing themselves towards the mountains far away to the right, they shouted as if in answer. Nunez bawled again, and then once more, and as he gestured ineffectually the word "blind" came up to the top of his thoughts. "The fools must be blind," he said.

When at last, after much shouting and wrath, Nunez crossed the stream by a little bridge, came through a gate in the wall, and approached them, he was sure

that they were blind. He was sure that this was the Country of the Blind of which the legends told. Conviction had sprung upon him, and a sense of great and rather enviable adventure. The three stood side by side, not looking at him, but with their ears directed towards him, judging him by his unfamiliar steps. They stood close together like men a little afraid, and he could see their eyelids closed and sunken, as though the very balls beneath had shrunk away. There was an expression near awe on their faces.

"A man," one said, in hardly recognizable Spanish—"a man it is—a man or a spirit—coming down from the rocks."

But Nunez advanced with the confident steps of a youth who enters upon life. All the old stories of the lost valley and the Country of the Blind had come back to his mind, and through his thoughts ran this old proverb, as if it were a refrain:

"In the Country of the Blind the One-eyed Man is King."

"In the Country of the Blind the One-eyed Man is King."

And very civilly he gave them greeting. He talked to them and used his eyes.

"Where does he come from, brother Pedro?" asked one.

"Down out of the rocks."

"Over the mountains I come," said Nunez, "out of the country beyond there—where men can see. From near Bogota, where there are a hundred thousands of people, and where the city passes out of sight."

"Sight?" muttered Pedro. "Sight?"

"He comes," said the second blind man, "out of the rocks."

The cloth of their coats Nunez saw was curiously fashioned, each with a different sort of stitching.

They startled him by a simultaneous movement towards him, each with a hand outstretched. He stepped back from the advance of these spread fingers.

"Come hither," said the third blind man, following his motion and clutching him neatly.

And they held Nunez and felt him over, saying no word further until they had done so.

"Carefully," he cried, with a finger in his eye, and found they thought that organ, with its fluttering lids, a queer thing in him. They went over it again.

"A strange creature, Correa," said the one called Pedro. "Feel the coarseness of his hair. Like a llama's hair."

"Rough he is as the rocks that begot him," said Correa, investigating Nunez's unshaven chin with a soft and slightly moist hand. "Perhaps he will grow finer." Nunez struggled a little under their examination, but they gripped him firm.

"Carefully," he said again.

"He speaks," said the third man. "Certainly he is a man."

"Ugh!" said Pedro, at the roughness of his coat.

"And you have come into the world?" asked Pedro.

"Out of the world. Over mountains and glaciers; right over above there, half-way to the sun. Out of the great big world that goes down, twelve days' journey to the sea."

They scarcely seemed to heed him. "Our fathers have told us men may be made by the forces of Nature," said Correa. "It is the warmth of things and moisture, and rottenness—rottenness."

"Let us lead him to the elders," said Pedro.

"Shout first," said Correa, "lest the children be afraid. This is a marvellous occasion."

So they shouted, and Pedro went first and took Nunez by the hand to lead him to the houses.

He drew his hand away. "I can see," he said.

"See?" said Correa.

"Yes, see," said Nunez, turning towards him, and stumbled against Pedro's pail.

"His senses are still imperfect," said the third blind man. "He stumbles, and talks unmeaning words. Lead him by the hand."

"As you will," said Nunez, and was led along, laughing.

It seemed they knew nothing of sight.

Well, all in good time he would teach them.

He heard people shouting, and saw a number of figures gathering together in the middle roadway of the village.

He found it tax his nerve and patience more than he had anticipated, that first encounter with the population of the Country of the Blind. The place seemed larger as he drew near to it, and the smeared plasterings queerer, and a crowd of children and men and women (the women and girls, he was pleased to note, had some of them quite sweet faces, for all that their eyes were shut and sunken) came about him, holding on to him, touching him with soft, sensitive hands, smelling at him, and listening at every word he spoke. Some of the maidens and children, however, kept aloof as if afraid, and indeed his voice seemed coarse and rude beside their softer notes. They mobbed him. His three guides kept close to him with an effect of proprietorship, and said again and again, "A wild man out of the rocks."

"Bogota," he said. "Bogota. Over the mountain crests."

"A wild man—using wild words," said Pedro. "Did you hear that—*Bogota*? His mind is hardly formed yet. He has only the beginnings of speech."

A little boy nipped his hand. "Bogota!" he said mockingly.

"Ay! A city to your village. I come from the great world—where men have eyes and see."

"His name's Bogota," they said.

"He stumbled," said Correa, "stumbled twice as we came hither."

"Bring him to the elders."

And they thrust him suddenly through a doorway into a room as black as pitch, save at the end there faintly glowed a fire. The crowd closed in behind him and shut out all but the faintest glimmer of day, and before he could arrest himself he had fallen headlong over the feet of a seated man. His arm, outflung, struck the face of some one else as he went down; he felt the soft impact of features and heard a cry of anger, and for a moment he struggled against a number of hands that clutched him. It was a one-sided fight. An inkling of the situation came to him, and he lay quiet.

"I fell down," he said; "I couldn't see in this pitchy darkness."

There was a pause as if the unseen persons about him tried to understand his words. Then the voice of Correa said: "He is but newly formed. He stumbles as he walks and mingles words that mean nothing with his speech."

Others also said things about him that he heard or understood imperfectly.

" May I sit up ? " he asked, in a pause. " I will not struggle against you again."

They consulted and let him rise.

The voice of an older man began to question him, and Nunez found himself trying to explain the great world out of which he had fallen, and the sky and mountains and sight and such-like marvels, to these elders who sat in darkness in the Country of the Blind. And they would believe and understand nothing whatever he told them, a thing quite outside his expectation. They would not even understand many of his words. For fourteen generations these people had been blind and cut off from all the seeing world ; the names for all the things of sight had faded and changed ; the story of the outer world was faded and changed to a child's story ; and they had ceased to concern themselves with anything beyond the rocky slopes above their circling wall. Blind men of genius had arisen among them and questioned the shreds of belief and tradition they had brought with them from their seeing days, and had dismissed all these things as idle fancies, and replaced them with new and saner explanations. Much of their imagination had shrivelled with their eyes, and they had made for themselves new imaginations with their ever more sensitive ears and finger-tips. Slowly Nunez realized this ; that his expectation of wonder and reverence at his origin and his gifts was not to be borne out ; and after his poor attempt to explain sight to them had been set aside as the confused version of a new-made being describing the marvels of his incoherent sensations, he subsided, a little dashed, into listening to their instruction. And the eldest of the blind men explained to him life and philosophy and religion, how that the world (meaning their valley) had been first

an empty hollow in the rocks, and then had come, first, inanimate things without the gift of touch, and llamas and a few other creatures that had little sense, and then men, and at last angels, whom one could hear singing and making fluttering sounds, but whom no one could touch at all, which puzzled Nunez greatly until he thought of the birds.

He went on to tell Nunez how this time had been divided into the warm and the cold, which are the blind equivalents of day and night, and how it was good to sleep in the warm and work during the cold, so that now, but for his advent, the whole town of the blind would have been asleep. He said Nunez must have been specially created to learn and serve **the wisdom** they had acquired, and for that all his **mental incoherence** and stumbling behaviour he must have courage, and do his best to learn, and at that all the **people** in the doorway murmured encouragingly. He said the night—for the blind call their day night—was now far gone, and it behoved every one to go back to sleep. He asked Nunez if he knew how to sleep, and Nunez said he did, but that before sleep he wanted food.

They brought him food—llama's milk in a bowl, and rough salted bread—and led him into a lonely place to eat out of their hearing, and afterwards to slumber until the chill of the mountain evening roused them to begin their day again. But Nunez slumbered not at all.

Instead, he sat up in the place where they had left him, resting his limbs and turning the unanticipated circumstances of his arrival over and over in his mind.

Every now and then he laughed, sometimes with amusement, and sometimes with indignation.

"Unformed mind!" he said. "Got no senses yet!"

They little know they've been insulting their heaven-sent king and master. I see I must bring them to reason. Let me think—let me think."

He was still thinking when the sun set.

Nunez had an eye for all beautiful things, and it seemed to him that the glow upon the snowfields and glaciers that rose about the valley on every side was the most beautiful thing he had ever seen. His eyes went from that inaccessible glory to the village and irrigated fields, fast sinking into the twilight, and suddenly a wave of emotion took him, and he thanked God from the bottom of his heart that the power of sight had been given him.

He heard a voice calling to him from out of the village.

"Ya ho there, Bogota! Come hither ~~from the~~

At that he stood up smiling. He would show these people once and for all what sight would ~~do for~~ a man. They would seek him, but not find him.

"You move not, Bogota," said the voice.

He laughed noiselessly, and made two stealthy steps aside from the path.

"Trample not on the grass, Bogota; that is not allowed."

Nunez had scarcely heard the sound he made himself. He stopped amazed.

The owner of the voice came running up the piebald path towards him.

He stepped back into the pathway. "Here I am," he said.

"Why did you not come when I called you?" said the blind man. "Must you be led like a child? Cannot you hear the path as you walk?"

Nunez laughed. "I can see it," he said.

"There is no such word as *see*," said the blind

man, after a pause. "Cease this folly, and follow the sound of my feet."

Nunez followed, a little annoyed.

"My time will come," he said.

"You'll learn," the blind man answered. "There is much to learn in the world."

"Has no one told you, 'In the Country of the Blind the One-eyed Man is King'?"

"What is blind?" asked the blind man carelessly over his shoulder.

Four days passed, and the fifth found the King of the Blind still incognito, as a clumsy and useless stranger among his subjects.

It was, he found, much more difficult to proclaim himself than he had supposed, and in the meantime, while he meditated his *coup d'état*, he did what he was told and learned the manners and customs of the Country of the Blind. He found working and going about at night a particularly irksome thing, and he decided that that should be the first thing he would change.

They led a simple, laborious life, these people, with all the elements of virtue and happiness, as these things can be understood by men. They toiled, but not oppressively; they had food and clothing sufficient for their needs; they had days and seasons of rest; they made much of music and singing, and there was love among them, and little children.

It was marvellous with what confidence and precision they went about their ordered world. Everything, you see, had been made to fit their needs; each of the radiating paths of the valley area had a constant angle to the others, and was distinguished by a special notch upon its kerbing; all obstacles and irregularities of path or meadow had long since been

cleared away ; all their methods and procedure arose naturally from their special needs. Their senses had become marvellously acute ; they could hear and judge the slightest gesture of a man a dozen paces away—could hear the very beating of his heart. Intonation had long replaced expression with them, and touches gesture, and their work with hoe and spade and fork was as free and confident as garden work can be. Their sense of smell was extraordinarily fine ; they could distinguish individual differences as readily as a dog can, and they went about the tending of the llamas, who lived among the rocks above and came to the wall for food and shelter, with ease and confidence. It was only when at last Nunez sought to assert himself that he found how easy and confident their movements could be.

He rebelled only after he had tried persuasion.

He tried at first on several occasions to tell them of sight. “ Look you here, you people,” he said. “ There are things you do not understand in me.”

Once or twice one or two of them attended to him ; they sat with faces downcast and ears turned intelligently towards him, and he did his best to tell them what it was to see. Among his hearers was a girl, with eyelids less red and sunken than the others, so that one could almost fancy she was hiding eyes, whom especially he hoped to persuade. He spoke of the beauties of sight, of watching the mountains, of the sky and the sunrise, and they heard him with amused incredulity that presently became condemnatory. They told him there were indeed no mountains at all, but that the end of the rocks where the llamas grazed was indeed the end of the world ; thence sprang a cavernous roof of the universe, from which the dew and the avalanches fell ; and when he maintained

stoutly the world had neither end nor roof such as they supposed, they said his thoughts were wicked. So far as he could describe sky and clouds and stars to them it seemed to them a hideous void, a terrible blankness in the place of the smooth roof to things in which they believed—it was an article of faith with them that the cavern roof was exquisitely smooth to the touch. He saw that in some manner he shocked them, and gave up that aspect of the matter altogether, and tried to show them the practical value of sight. One morning he saw Pedro in the path called Seventeen and coming towards the central houses, but still too far off for hearing or scent, and he told them as much. "In a little while," he prophesied, "Pedro will be here." An old man remarked that Pedro had no business on path Seventeen, and then, as if in confirmation, that individual as he drew near turned and went transversely into Path Ten, and so back with nimble paces towards the outer wall. They mocked Nunez when Pedro did not arrive, and afterwards, when he asked Pedro questions to clear his character. Pedro denied and outfaced him, and was afterwards hostile to him.

Then he induced them to let him go a long way up the sloping meadows towards the wall with one complacent individual, and to him he promised to describe all that happened among the houses. He noted certain goings and comings, but the things that really seemed to signify to these people happened inside of or behind the windowless houses—the only things they took note of to test him by—and of these he could see or tell nothing; and it was after the failure of this attempt, and the ridicule they could not repress, that he resorted to force. He thought of seizing a spade and suddenly smiting one or two of them to earth, and so in fair

combat showing the advantage of eyes. He went so far with that resolution as to seize his spade, and then he discovered a new thing about himself, and that was that it was impossible for him to hit a blind man in cold blood.

He hesitated, and found them all aware that he snatched up the spade. They stood alert, with their heads on one side, and bent ears towards him for what he would do next.

"Put that spade down," said one, and he felt a sort of helpless horror. He came near obedience.

Then he thrust one backwards against a house wall, and fled past him and out of the village.

He went athwart one of their meadows, leaving a track of trampled grass behind his feet, and presently sat down by the side of one of their ways. He felt something of the buoyancy that comes to all men in the beginning of a fight, but more perplexity. He began to realize that you cannot even fight happily with creatures who stand upon a different mental basis to yourself. Far away he saw a number of men carrying spades and sticks come out of the street of houses, and advance in a spreading line along the several paths towards him. They advanced slowly, speaking frequently to one another, and ever and again the whole cordon would halt and sniff the air and listen.

The first time they did this Nunez laughed. But afterwards he did not laugh.

One struck his trail in the meadow grass, and came stooping and feeling his way along it.

For five minutes he watched the slow extension of the cordon, and then his vague disposition to do something forthwith became frantic. He stood up, went a pace or so towards the circumferential wall, turned,

and went back a little way. There they all stood in a crescent, still and listening.

He also stood still, gripping his spade very tightly in both hands. Should he charge them?

The pulse in his ears ran into the rhythm of "In the Country of the Blind the One-eyed Man is King!"

Should he charge them?

He looked back at the high and unclimbable wall behind—unclimbable because of its smooth plastering, but withal pierced with many little doors, and at the approaching line of seekers. Behind these, others were now coming out of the street of houses.

Should he charge them?

"Bogota!" called one. "Bogota! where are you!"

He gripped his spade still tighter, and advanced down the meadows towards the place of habitations, and directly he moved they converged upon him. "I'll hit them if they touch me," he swore; "by Heaven, I will. I'll hit." He called aloud, "Look here, I'm going to do what I like in this valley. Do you hear? I'm going to do what I like and go where I like!"

They were moving in upon him quickly, groping, yet moving rapidly. It was like playing blind man's buff, with every one blindfolded except one. "Get hold of him!" cried one. He found himself in the arc of a loose curve of pursuers. He felt suddenly he must be active and resolute.

"You don't understand," he cried in a voice that was meant to be great and resolute, and which broke. "You are blind, and I can see. Leave me alone!"

"Bogota! Put down that spade, and come off the grass!"

The last order, grotesque in its urban familiarity, produced a gust of anger.

"I'll hurt you," he said, sobbing with emotion. "By Heaven, I'll hurt you. Leave me alone!"

He began to run, not knowing clearly where to run. He ran from the nearest blind man, because it was a horror to hit him. He stopped, and then made a dash to escape from their closing ranks. He made for where a gap was wide, and the men on either side, with a quick perception of the approach of his paces, rushed in on one another. He sprang forward, and then saw he must be caught, and *swish!* the spade had struck. He felt the soft thud of hand and arm, and the man was down with a yell of pain, and he was through.

Through! And then he was close to the street of houses again, and blind men, whirling spades and stakes, were running with a sort of reasoned swiftness hither and thither.

He heard steps behind him just in time, and found a tall man rushing forward and swiping at the sound of him. He lost his nerve, hurled his spade a yard wide at his antagonist, and whirled about and fled, fairly yelling as he dodged another.

He was panic-stricken. He ran furiously to and fro, dodging when there was no need to dodge, and in his anxiety to see on every side of him at once, stumbling. For a moment he was down and they heard his fall. Far away in the circumferential wall a little doorway looked like heaven, and he set off in a wild rush for it. He did not even look round at his pursuers until it was gained, and he had stumbled across the bridge, clambered a little way among the rocks, to the surprise and dismay of a young llama, who went leaping out of sight, and lay down sobbing for breath.

And so his *coup d'état* came to an end.

He stayed outside the wall of the valley of the Blind for two nights and days without food or shelter, and meditated upon the unexpected. During these meditations he repeated very frequently and always with a profounder note of derision the exploded proverb: "In the Country of the Blind the One-Eyed Man is King." He thought chiefly of ways of fighting and conquering these people, and it grew clear that for him no practicable way was possible. He had no weapons, and now it would be hard to get one.

The canker of civilization had got to him even in Bogota, and he could not find it in himself to go down and assassinate a blind man. Of course, if he did that, he might then dictate terms on the threat of assassinating them all. But—sooner or later he must sleep! . . .

He tried also to find food among the pine trees, to be comfortable under pine boughs while the frost fell at night, and—with less confidence—to catch a llama by artifice in order to try to kill it—perhaps by hammering it with a stone—and so finally, perhaps, to eat some of it. But the llamas had a doubt of him and regarded him with distrustful brown eyes, and spat when he drew near. Fear came on him the second day and fits of shivering. Finally he crawled down to the wall of the Country of the Blind and tried to make terms. He crawled along by the stream, shouting, until two blind men came out to the gate and talked to him.

"I was mad," he said. "But I was only newly made."

They said that was better.

He told them he was wiser now, and repented of all he had done.

Then he wept without intention, for he was very

weak and ill now, and they took that as a favourable sign.

They asked him if he still thought he could "*see*."

"No," he said. "That was folly. The word means nothing—less than nothing!"

They asked him what was overhead.

"About ten times ten the height of a man there is a roof above the world—of rock—and very, very smooth." . . . He burst again into hysterical tears. "Before you ask me any more, give me some food or I shall die."

He expected dire punishments, but these blind people were capable of toleration. They regarded his rebellion as but one more proof of his general idiocy and inferiority; and after they had whipped him they appointed him to do the simplest and heaviest work they had for any one to do, and he, seeing no other way of living, did submissively what he was told.

He was ill for some days, and they nursed him kindly. That refined his submission. But they insisted on his lying in the dark, and that was a great misery. And blind philosophers came and talked to him of the wicked levity of his mind, and reproved him so impressively for his doubts about the lid of rock that covered their cosmic casserole that he almost doubted whether indeed he was not the victim of hallucination in not seeing it overhead.

So Nunez became a citizen of the Country of the Blind, and these people ceased to be a generalized people and became individualities and familiar to him, while the world beyond the mountains became more and more remote and unreal. There was Yacob, his master, a kindly man when not annoyed; there was Pedro, Yacob's nephew; and there was Medina-saroté, who was the youngest daughter of Yacob. She

was little esteemed in the world of the blind, because she had a clear-cut face, and lacked that satisfying, glossy smoothness that is the blind man's ideal of feminine beauty; but Nunez thought her beautiful at first, and presently the most beautiful thing in the whole creation. Her closed eyelids were not sunken and red after the common way of the valley, but lay as though they might open again at any moment; and she had long eyelashes, which were considered a grave disfigurement. And her voice was strong, and did not satisfy the acute hearing of the valley swains. So that she had no lover.

There came a time when Nunez thought that, could he win her, he would be resigned to live in the valley for all the rest of his days.

He watched her; he sought opportunities of doing her little services, and presently he found that she observed him. Once at a rest-day gathering they sat side by side in the dim starlight, and the music was sweet. His hand came upon hers and he dared to clasp it. Then very tenderly she returned his pressure. And one day, as they were at their meal in the darkness, he felt her hand very softly seeking him, and as it chanced the fire leaped then and he saw the tenderness of her face.

He sought to speak to her.

He went to her one day when she was sitting in the summer moonlight spinning. The light made her a thing of silver and mystery. He sat down at her feet and told her he loved her, and told her how beautiful she seemed to him. He had a lover's voice, he spoke with a tender reverence that came near to awe, and she had never before been touched by adoration. She made him no definite answer, but it was clear his words pleased her.

After that he talked to her whenever he could take an opportunity. The valley became the world for him, and the world beyond the mountains where men lived in sunlight seemed no more than a fairy tale he would some day pour into her ears. Very tentatively and timidly he spoke to her of sight.

Sight seemed to her the most poetical of fancies, and she listened to his description of the stars and the mountains and her own sweet white-lit beauty as though it was a guilty indulgence. She did not believe, she could only half understand, but she was mysteriously delighted, and it seemed to him that she completely understood.

His love lost its awe and took courage. Presently he was for demanding her of Yacob and the elders in marriage, but she became fearful and delayed. And it was one of her elder sisters who first told Yacob that Medina-saroté and Nunez were in love.

There was from the first very great opposition to the marriage of Nunez and Medina-saroté; not so much because they valued her as because they held him as a being apart, an idiot, incompetent thing below the permissible level of a man. Her sisters opposed it bitterly as bringing discredit on them all; and old Yacob, though he had formed a sort of liking for his clumsy, obedient serf, shook his head and said the thing could not be. The young men were all angry at the idea of corrupting the race, and one went so far as to revile and strike Nunez. He struck back. Then for the first time he found an advantage in seeing, even by twilight, and after that fight was over no one was disposed to raise a hand against him. But they still found his marriage impossible.

Old Yacob had a tenderness for his last little

daughter, and was grieved to have her weep upon his shoulder.

"You see, my dear, he's an idiot. He has delusions; he can't do anything right."

"I know," wept Medina-saroté. "But he's better than he was. He's getting better. And he's strong, dear father, and kind—stronger and kinder than any other man in the world, And he loves me—and, father, I love him."

Old Yacob was greatly distressed to find her inconsolable, and, besides—what made it more distressing—he liked Nunez for many things. So he went and sat in the windowless council-chamber with the other elders and watched the trend of the talk, and said, at the proper time, "He's better than he was. Very likely, some day, we shall find him as sane as ourselves."

Then afterwards one of the elders, who thought deeply, had an idea. He was the great doctor among these people, their medicine-man, and he had a very philosophical and inventive mind, and the idea of curing Nunez of his peculiarities appealed to him. One day when Yacob was present he returned to the topic of Nunez.

"I have examined Bogota," he said, "and the case is clearer to me. I think very probably he might be cured."

"That is what I have always hoped," said old Yacob.

"His brain is affected," said the blind doctor.

The elders murmured assent.

"Now, *what* affects it?"

"Ah!" said old Yacob.

"*This*," said the doctor, answering his own question. "Those queer things that are called the eyes,

and which exist to make an agreeable soft depression in the face, are diseased, in the case of Bogota, in such a way as to affect his brain. They are greatly distended, he has eyelashes, and his eyelids move, and consequently his brain is in a state of constant irritation and distraction."

"Yes?" said old Yacob. "Yes?"

"And I think I may say with reasonable certainty that, in order to cure him completely, all that we need do is a simple and easy surgical operation—namely, to remove these irritant bodies."

"And then he will be sane?"

"Then he will be perfectly sane, and a quite admirable citizen."

"Thank Heaven for science!" said old Yacob, and went forth at once to tell Nunez of his happy hopes.

But Nunez's manner of receiving the good news struck him as being cold and disappointing.

"One might think," he said, "from the tone you take, that you did not care for my daughter."

It was Medina-saroté who persuaded Nunez to face the blind surgeons.

"*You* do not want me," he said, "to lose my gift of sight?"

She shook her head.

"My world is sight."

Her head drooped lower.

"There are the beautiful things, the beautiful little things—the flowers, the lichens among the rocks, the lightness and softness on a piece of fur, the far sky with its drifting down of clouds, the sunsets and the stars. And there is *you*. For you alone it is good to have sight, to see your sweet, serene face, your kindly lips, your dear, beautiful hands folded together. . . . It is these eyes of mine you won, these eyes that hold

me to you, that these idiots seek. Instead, I must touch you, hear you, and never see you again. I must come under that roof of rock and stone and darkness, that horrible roof under which your imagination stoops. . . . No ; you would not have me do that ? ”

A disagreeable doubt had arisen in him. He stopped, and left the thing a question.

“ I wish,” she said, “ sometimes——” She paused.

“ Yes ? ” said he, a little apprehensively.

“ I wish sometimes—you would not talk like that.”

“ Like what ? ”

“ I know it’s pretty—it’s your imagination. I love it, but *now*——”

He felt cold. “ *Now ?* ” he said faintly.

She sat quite still.

“ You mean—you think—I should be better, better perhaps——”

He was realizing things very swiftly. He felt anger, indeed, anger at the dull course of fate, but also sympathy for her lack of understanding—a sympathy near akin to pity.

“ *Dear,*” he said, and he could see by her whiteness how intensely her spirit pressed against the things she could not say. He put his arms about her, he kissed her ear, and they sat for a time in silence.

“ If I were to consent to this ? ” he said at last, in a voice that was very gentle.

She flung her arms about him, weeping wildly. “ Oh, if you would,” she sobbed, “ if only you would ! ”

For a week before the operation that was to raise him from his servitude and inferiority to the level of a blind citizen, Nunez knew nothing of sleep, and all through the warm sunlit hours, while the others

slumbered happily, he sat brooding or wandered aimlessly, trying to bring his mind to bear on his dilemma. He had given his answer, he had given his consent, and still he was not sure. And at last work-time was over, the sun rose in splendour over the golden crests, and his last day of vision began for him. He had a few minutes with Medina-saroté before she went apart to sleep.

"To-morrow," he said, "I shall see no more."

"Dear heart!" she answered, and pressed his hands with all her strength.

"They will hurt you but little," she said; "and you are going through this pain—you are going through it, dear lover, for *me*. . . . Dear, if a woman's heart and life can do it, I will repay you. My dearest one, my dearest with the tender voice, I will repay."

He was drenched in pity for himself and her.

He held her in his arms, and pressed his lips to hers, and looked on her sweet face for the last time. "Good-bye!" he whispered at that dear sight, "good-bye!"

And then in silence he turned away from her.

She could hear his slow retreating footsteps, and something in the rhythm of them threw her into a passion of weeping.

He had fully meant to go to a lonely place where the meadows were beautiful with white narcissus, and there remain until the hour of his sacrifice should come, but as he went he lifted up his eyes and saw the morning, the morning like an angel in golden armour, marching down the steeps. . . .

It seemed to him that before this splendour he, and this blind world in the valley, and his love, and all, were no more than a pit of sin.

He did not turn aside as he had meant to do, but

went on, and passed through the wall of the circumference and out upon the rocks, and his eyes were always upon the sunlit ice and snow.

He saw their infinite beauty, and his imagination soared over them to the things beyond he was now to resign for ever.

He thought of that great free world he was parted from, the world that was his own, and he had a vision of those farther slopes, distance beyond distance, with Bogota, a place of multitudinous stirring beauty, a glory by day, a luminous mystery by night, a place of palaces and fountains and statues and white houses, lying beautifully in the middle distance. He thought how for a day or so one might come down through passes, drawing ever nearer and nearer to its busy streets and ways. He thought of the river journey, day by day, from great Bogota to the still vaster world beyond, through towns and villages, forest and desert places, the rushing river day by day, until its banks receded and the big steamers came splashing by, and one had reached the sea—the limitless sea, with its thousand islands, its thousands of islands, and its ships seen dimly far away in their incessant journeyings round and about that greater world. And there, unpent by mountains, one saw the sky—the sky, not such a disc as one saw it here, but an arch of immeasurable blue, a deep of deeps in which the circling stars were floating. . . .

His eyes scrutinized the great curtain of the mountains with a keener inquiry.

For example, if one went so, up that gully and to that chimney there, then one might come out high among those stunted pines that ran round in a sort of shelf and rose still higher and higher as it passed above the gorge. And then? That talus might be managed.

Thence perhaps a climb might be found to take him up to the precipice that came below the snow ; and if that chimney failed, then another farther to the east might serve his purpose better. And then ? Then one would be out upon the amber-lit snow there, and half-way up to the crest of those beautiful desolations.

He glanced back at the village, then turned right round and regarded it steadfastly.

He thought of Medina-saroté, and she had become small and remote.

He turned again towards the mountain wall, down which the day had come to him.

Then very circumspectly he began to climb.

When sunset came he was no longer climbing, but he was far and high. He had been higher, but he was still very high. His clothes were torn, his limbs were blood-stained, he was bruised in many places, but he lay as if he were at his ease, and there was a smile on his face.

From where he rested the valley seemed as if it were in a pit and nearly a mile below. Already it was dim with haze and shadow, though the mountain summits around him were things of light and fire. The mountain summits around him were things of light and fire, and the little details of the rocks near at hand were drenched with subtle beauty—a vein of green mineral piercing the grey, the flash of crystal faces here and there, a minute, minutely beautiful orange lichen close beside his face. There were deep mysterious shadows in the gorge, blue deepening into purple, and purple into a luminous darkness, and overhead was the illimitable vastness of the sky. But he heeded these things no longer, but lay quite inactive there, smiling as if he

were satisfied merely to have escaped from the valley of the Blind in which he had thought to be King.

The glow of the sunset passed, and the night came, and still he lay peacefully contented under the cold stars.

The Time Machine and Other Stories. 1895.

IX

THE DIAMOND MAKER

SOME business had detained me in Chancery Lane until nine in the evening, and thereafter, having some inkling of a headache, I was disinclined either for entertainment or further work. So much of the sky as the high cliffs of that narrow cañon of traffic left visible spoke of a serene night, and I determined to make my way down to the Embankment, and rest my eyes and cool my head by watching the variegated lights upon the river. Beyond comparison the night is the best time for this place ; a merciful darkness hides the dirt of the waters, and the lights of this transition age, red, glaring orange, gas-yellow, and electric white, are set in shadowy outlines of every possible shade between grey and deep purple. Through the arches of Waterloo Bridge a hundred points of light mark the sweep of the Embankment, and above its parapet rise the towers of Westminster, warm grey against the starlight. The black river goes by with only a rare ripple breaking its silence, and disturbing the reflections of the lights that swim upon its surface.

"A warm night," said a voice at my side.

I turned my head, and saw the profile of a man who was leaning over the parapet beside me. It was a refined face, not unhandsome, though pinched and

pale enough, and the coat collar turned up and pinned round the throat marked his status in life as sharply as a uniform. I felt I was committed to the price of a bed and breakfast if I answered him.

I looked at him curiously. Would he have anything to tell me worth the money, or was he the common incapable—incapable even of telling his own story? There was a quality of intelligence in his forehead and eyes, and a certain tremulousness in his nether lip that decided me.

"Very warm," said I; "but not too warm for us here."

"No," he said, still looking across the water, "it is pleasant enough here . . . just now."

"It is good," he continued after a pause, "to find anything so restful as this in London. After one has been fretting about business all day, about getting on, meeting obligations, and parrying dangers, I do not know what one would do if it were not for such pacific corners." He spoke with long pauses between the sentences. "You must know a little of the irksome labour of the world, or you would not be here. But I doubt if you can be so brain-weary and footsore as I am. . . . Bah! Sometimes I doubt if the game is worth the candle. I feel inclined to throw the whole thing over—name, wealth, and position—and take to some modest trade. But I know if I abandoned my ambition—hardly as she uses me—I should have nothing but remorse left for the rest of my days."

He became silent. I looked at him in astonishment. If ever I saw a man hopelessly hard-up it was the man in front of me. He was ragged and he was dirty, unshaven and unkempt; he looked as though he had been left in a dust-bin for a week. And he was talking to *me* of the irksome worries of a large business. I

almost laughed outright. Either he was mad or playing a sorry jest on his own poverty.

"If high aims and high positions," said I, "have their drawbacks of hard work and anxiety, they have their compensations. Influence, the power of doing good, of assisting those weaker and poorer than ourselves ; and there is even a certain gratification in display. . . ."

My banter under the circumstances was in very vile taste. I spoke on the spur of the contrast of his appearance and speech. I was sorry even while I was speaking.

He turned a haggard but very composed face upon me. Said he : " I forget myself. Of course you would not understand."

He measured me for a moment. " No doubt it is very absurd. You will not believe me even when I tell you, so that it is fairly safe to tell you. And it will be a comfort to tell some one. I really have a big business in hand, a very big business. But there are troubles just now. The fact is . . . I make diamonds."

" I suppose," said I, " you are out of work just at present ?"

" I am sick of being disbelieved," he said impatiently, and suddenly unbuttoning his wretched coat he pulled out a little canvas bag that was hanging by a cord round his neck. From this he produced a brown pebble. " I wonder if you know enough to know what that is ? " He handed it to me.

Now, a year or so ago, I had occupied my leisure in taking a London science degree, so that I have a smattering of physics and mineralogy. The thing was not unlike an uncut diamond of the darker sort, though far too large, being almost as big as the top of

my thumb. I took it, and saw it had the form of a regular octahedron, with the carved faces peculiar to the most precious of minerals. I took out my pen-knife and tried to scratch it—vainly. Leaning forward towards the gas-lamp, I tried the thing on my watch-glass, and scored a white line across that with the greatest ease.

I looked at my interlocutor with rising curiosity. "It certainly is rather like a diamond. But, if so, it is a Behemoth of diamonds. Where did you get it?"

"I tell you I made it," he said. "Give it back to me."

He replaced it hastily and buttoned his jacket. "I will sell it you for one hundred pounds," he suddenly whispered eagerly. With that my suspicions returned. The thing might, after all, be merely a lump of that almost equally hard substance, corundum, with an accidental resemblance in shape to the diamond. Or if it was a diamond, how came he by it, and why should he offer it at a hundred pounds?

We looked into one another's eyes. He seemed eager, but honestly eager. At that moment I believed it was a diamond he was trying to sell. Yet I am a poor man, a hundred pounds would leave a visible gap in my fortunes and no sane man would buy a diamond by gaslight from a ragged tramp on his personal warranty only. Still, a diamond that size conjured up a vision of many thousands of pounds. Then, thought I, such a stone could scarcely exist without being mentioned in every book on gems, and again I called to mind the stories of contraband and light-fingered Kaffirs at the Cape. I put the question of purchase on one side.

"How did you get it?" said I.

"I made it."

I had heard something of Moissan, but I knew his artificial diamonds were very small. I shook my head.

"You seem to know something of this kind of thing. I will tell you a little about myself. Perhaps then you may think better of the purchase." He turned round with his back to the river, and put his hands in his pockets. He sighed. "I know you will not believe me.

"Diamonds," he began—and as he spoke his voice lost its faint flavour of the tramp and assumed something of the easy tone of an educated man—"are to be made by throwing carbon out of combination in a suitable flux and under a suitable pressure; the carbon crystallizes out, not as black-lead or charcoal-powder, but as small diamonds. So much has been known to chemists for years, but no one yet has hit upon exactly the right flux in which to melt up the carbon, or exactly the right pressure for the best results. Consequently the diamonds made by chemists are small and dark, and worthless as jewels. Now I, you know, have given up my life to this problem—given my life to it.

"I began to work at the conditions of diamond making when I was seventeen, and now I am thirty-two. It seemed to me that it might take all the thought and energies of a man for ten years, or twenty years, but, even if it did, the game was still worth the candle. Suppose one to have at last just hit the right trick, before the secret got out and diamonds became as common as coal, one might realize millions. Millions!"

He paused and looked for my sympathy. His eyes shone hungrily. "To think," said he, "that I am on the verge of it all, and here!"

"I had," he proceeded, "about a thousand pounds when I was twenty-one, and this, I thought, eked out by a little teaching, would keep my researches going. A year or two was spent in study, at Berlin chiefly, and then I continued on my own account. The trouble was the secrecy. You see, if once I had let out what I was doing, other men might have been spurred on by my belief in the practicability of the idea; and I do not pretend to be such a genius as to have been sure of coming in first, in the case of a race for the discovery. And you see it was important that if I really meant to make a pile, people should not know it was an artificial process and capable of turning out diamonds by the ton. So I had to work all alone. At first I had a little laboratory, but as my resources began to run out I had to conduct my experiments in a wretched unfurnished room in Kentish Town, where I slept at last on a straw mattress on the floor among all my apparatus. The money simply flowed away. I grudged myself everything except scientific appliances. I tried to keep things going by a little teaching, but I am not a very good teacher, and I have no university degree, nor very much education except in chemistry, and I found I had to give a lot of time and labour for precious little money. But I got nearer and nearer the thing. Three years ago I settled the problem of the composition of the flux, and got near the pressure by putting this flux of mine and a certain carbon composition into a closed-up gun-barrel, filling up with water, sealing tightly, and heating."

He paused.

"Rather risky," said I.

"Yes. It burst, and smashed all my windows and a lot of my apparatus; but I got a kind of diamond powder nevertheless. Following out the problem of

getting a big pressure upon the molten mixture from which the things were to crystallize, I hit upon some researches of Daubrée's at the Paris *Laboratoire des Poudres et Salpêtres*. He exploded dynamite in a tightly screwed steel cylinder, too strong to burst, and I found he could crush rocks into a muck not unlike the South African bed in which diamonds are found. It was a tremendous strain on my resources, but I got a steel cylinder made for my purpose after his pattern. I put in all my stuff and my explosives, built up a fire in my furnace, put the whole concern in, and—went out for a walk."

I could not help laughing at his matter-of-fact manner. "Did you not think it would blow up the house? Were there other people in the place?"

"It was in the interest of science," he said ultimately. "There was a costermonger family on the floor below, a begging-letter writer in the room behind mine, and two flower-women were upstairs. Perhaps it was a bit thoughtless. But possibly some of them were out.

"When I came back the thing was just where I left it, among the white-hot coals. The explosive hadn't burst the case. And then I had a problem to face. You know time is an important element in crystallization. If you hurry the process the crystals are small—it is only by prolonged standing that they grow to any size. I resolved to let this apparatus cool for two years, letting the temperature go down slowly during that time. And I was now quite out of money; and with a big fire and the rent of my room, as well as my hunger to satisfy, I had scarcely a penny in the world.

"I can hardly tell you all the shifts I was put to while I was making the diamonds. I have sold

newspapers, held horses, opened cab doors. For many weeks I addressed envelopes. I had a place as assistant to a man who owned a barrow, and used to call down one side of the road while he called down the other. Once for a week I had absolutely nothing to do, and I begged. What a week that was! One day the fire was going out and I had eaten nothing all day, and a little chap taking his girl out gave me sixpence—to show-off. Thank heaven for vanity! How the fish-shops smelt! But I went and spent it all on coals, and had the furnace bright red again, and then . . . Well, hunger makes a fool of a man.

“At last, three weeks ago, I let the fire out. I took my cylinder and unscrewed it while it was still so hot that it punished my hands, and I scraped out the crumbling lava-like mass with a chisel, and hammered it into a powder upon an iron plate. And I found three big diamonds and five small ones. As I sat on the floor hammering, my door opened, and my neighbour, the begging-letter writer, came in. He was drunk—as he usually is. ‘Nerchist,’ said he. ‘You’re drunk,’ said I. ‘Structive scoundrel,’ said he. ‘Go to your father,’ said I, meaning the Father of Lies. ‘Never you mind,’ said he, and gave me a cunning wink, and hiccupped, and leaning up against the door, with his other eye against the door-post, began to babble of how he had been prying in my room, and how he had gone to the police that morning, and how they had taken down everything he had to say—‘siffiwas a ge’m,’ said he. Then I suddenly realized I was in a hole. Either I should have to tell these police my little secret, and get the whole thing blown upon, or be lagged as an Anarchist. So I went up to my neighbour and took him by the collar, and rolled him about a bit, and then I gathered up my diamonds and

cleared out. The evening newspapers called my den the Kentish-Town Bomb Factory. And now I cannot part with the things for love or money.

"If I go in to respectable jewellers they ask me to wait, and go and whisper to a clerk to fetch a policeman, and then I say I cannot wait. And I found out a receiver of stolen goods, and he simply stuck to the one I gave him and told me to prosecute if I wanted it back. I am going about now with several hundred thousand pounds-worth of diamonds round my neck, and without either food or shelter. You are the first person I have taken into my confidence. But I like your face and I am hard-driven."

He looked into my eyes.

"It would be madness," said I, "for me to buy a diamond under the circumstances. Besides, I do not carry hundreds of pounds about in my pocket. Yet I more than half believe your story. I will, if you like, do this: come to my office to-morrow. . . ."

"You think I am a thief!" said he keenly. "You will tell the police. I am not coming into a trap."

"Somehow I am assured you are no thief. Here is my card. Take that, anyhow. You need not come to any appointment. Come when you will."

He took the card, and an earnest of my good-will.

"Think better of it and come," said I.

He shook his head doubtfully. "I will pay back your half-crown with interest some day—such interest as will amaze you," said he. "Anyhow, you will keep the secret? . . . Don't follow me."

He crossed the road and went into the darkness towards the little steps under the archway leading into Essex Street, and I let him go. And that was the last I ever saw of him.

Afterwards I had two letters from him asking me

to send bank-notes—not cheques—to certain addresses. I weighed the matter over, and took what I conceived to be the wisest course. Once he called upon me when I was out. My urchin described him as a very thin, dirty, and ragged man, with a dreadful cough. He left no message. That was the finish of him so far as my story goes. I wonder sometimes what has become of him. Was he an ingenious monomaniac, or a fraudulent dealer in pebbles, or had he really made diamonds as he asserted? The latter is just sufficiently credible to make me think at times that I have missed the most brilliant opportunity of my life. He may of course be dead, and his diamonds carelessly thrown aside—one, I repeat, was almost as big as my thumb. Or he may be still wandering about trying to sell the things. It is just possible he may yet emerge upon society, and, passing athwart my heavens in the serene altitude sacred to the wealthy and the well-advertised, reproach me silently for my want of enterprise. I sometimes think I might at least have risked five pounds.

The Stolen Bacillus and Other Incidents. 1895.

X

THE LORD OF THE DYNAMOS

THE chief attendant of the three dynamos that buzzed and rattled at Camberwell and kept the electric railway going, came out of Yorkshire, and his name was James Holroyd. He was a practical electrician but fond of whisky, a heavy, red-haired brute with irregular teeth. He doubted the existence of the Deity but accepted Carnot's cycle, and he had read Shakespeare and found him weak in chemistry. His helper came out of the mysterious East, and his name was Azuma-zi. But Holroyd called him Pooh-bah. Holroyd liked a nigger help because he would stand kicking—a habit with Holroyd—and did not pry into the machinery and try to learn the ways of it. Certain odd possibilities of the negro mind brought into abrupt contact with the crown of our civilization Holroyd never fully realized, though just at the end he got some inkling of them.

To define Azuma-zi was beyond ethnology. He was, perhaps, more negroid than anything else, though his hair was curly rather than frizzy, and his nose had a bridge. Moreover, his skin was brown rather than black, and the whites of his eyes were yellow. His broad cheek-bones and narrow chin gave his face something of the viperine V. His head, too, was

broad behind, and low and narrow at the forehead, as if his brain had been twisted round in the reverse way to a European's. He was short of stature and still shorter of English. In conversation he made numerous odd noises of no known marketable value, and his infrequent words were carved and wrought into heraldic grotesqueness. Holroyd tried to elucidate his religious beliefs, and—especially after whisky—lectured to him against superstition and missionaries. Azuma-zi, however, shirked the discussion of his gods, even though he was kicked for it.

Azuma-zi had come, clad in white but insufficient raiment, out of the stoke-hole of the *Lord Clive*, from the Straits Settlements and beyond, into London. He had heard even in his youth of the greatness and riches of London, where all the women are white and fair and even the beggars in the streets are white; and he had arrived, with newly earned gold coins in his pocket, to worship at the shrine of civilization. The day of his landing was a dismal one; the sky was dun, and a wind-worried drizzle filtered down to the greasy streets, but he plunged boldly into the delights of Shadwell, and was presently cast up, shattered in health, civilized in costume, penniless, and, except in matters of the direst necessity, practically a dumb animal, to toil for James Holroyd, and to be bullied by him in the dynamo shed at Camberwell. And to James Holroyd bullying was a labour of love.

There were three dynamos with their engines at Camberwell. The two that have been there since the beginning are small machines; the larger one was new. The smaller machines made a reasonable noise; their straps hummed over the drums, every now and then the brushes buzzed and fizzled and the air,

churned steadily, whoo! whoo! whoo! between their poles. One was loose in its foundations and kept the shed vibrating. But the big dynamo drowned these little noises altogether with the sustained drone of its iron core, which somehow set part of the ironwork humming. The place made the visitor's head reel with the throb, throb, throb of the engines, the rotation of the big wheels, the spinning ball-valves, the occasional spittings of the steam, and over all the deep, unceasing, surging note of the big dynamo. This last noise was from an engineering point of view a defect, but Azuma-zi accounted it unto the monster for mightiness and pride.

If it were possible we would have the noises of that shed always about the reader as he reads, we would tell all our story to such an accompaniment. It was a steady stream of din, from which the ear picked out first one thread and then another; there was the intermittent snorting, panting, and seething of the steam-engines, the suck and thud of their pistons, the dull beat on the air as the spokes of the great driving wheels came round, a note the leather straps made as they ran tighter and looser, and a fretful tumult from the dynamos; and over all, sometimes inaudible, as the ear tired of it, and then creeping back upon the senses again, was this trombone note of the big machine. The floor never felt steady and quiet beneath one's feet, but quivered and jarred. It was a confusing, unsteady place, and enough to send any one's thoughts jerking into odd zigzags. And for three months, while the big strike of the engineers was in progress, Holroyd who was a black-leg, and Azuma-zi who was a mere black, were never out of the stir and eddy of it, but slept and fed in the little wooden shanty between the shed and the gates.

Holroyd delivered a theological lecture on the text of his big machine soon after Azuma-zi came. He had to shout to be heard in the din. "Look at that," said Holroyd; "where's your 'eathen idol to match 'im?" And Azuma-zi looked. For a moment Holroyd was inaudible, and then Azuma-zi heard: "Kill a hundred men. Twelve per cent. on the ordinary shares," said Holroyd, "and that's something like a Gord."

Holroyd was proud of his big dynamo, and expatiated upon its size and power to Azuma-zi until heaven knows what odd currents of thought that and the incessant whirling and shindy set up within the curly black cranium. He would explain in the most graphic manner the dozen or so ways in which a man might be killed by it, and once he gave Azuma-zi a shock as a sample of its quality. After that, in the breathing times of his labour—it was heavy labour, being not only his own, but most of Holroyd's—Azuma-zi would sit and watch the big machine. Now and then the brushes would sparkle and spit blue flashes, at which Holroyd would swear, but all the rest was as smooth and rhythmic as breathing. The band ran shouting over the shaft, and ever behind one as one watched was the complacent thud of the piston. So it lived all day in this big airy shed, with him and Holroyd to wait upon it; not prisoned up and slaving to drive a ship as the other engines he knew—mere captive devils of the British Solomon—had been, but a machine enthroned. Those two smaller dynamos Azuma-zi by force of contrast despised; the large one he privately christened the Lord of the Dynamos. They were fretful and irregular, but the big dynamo was steady. How great it was! How serene and easy in its working!

Greater and calmer even than the Buddhas he had seen at Rangoon, and yet not motionless, but living ! The great black coils spun, spun, spun, the rings ran round under the brushes, and the deep note of its coil steadied the whole. It affected Azuma-zi queerly.

Azuma-zi was not fond of labour. He would sit about and watch the Lord of the Dynamos while Holroyd went away to persuade the yard porter to get whisky, although his proper place was not in the dynamo shed but behind the engines, and, moreover, if Holroyd caught him skulking he got hit for it with a rod of stout copper wire. He would go and stand close to the colossus, and look up at the great leather band running overhead. There was a black patch on the band that came round, and it pleased him somehow among all the clatter to watch this return again and again. Odd thoughts spun with the whirl of it. Scientific people tell us that savages give souls to rocks and trees—and a machine is a thousand times more alive than a rock or a tree. And Azuma-zi was practically a savage still ; the veneer of civilization lay no deeper than his slop suit, his bruises, and the coal grime on his face and hands. His father before him had worshipped a meteoric stone ; kindred blood, it may be, had splashed the broad wheels of Juggernaut.

He took every opportunity Holroyd gave him of touching and handling the great dynamo that was fascinating him. He polished and cleaned it until the metal parts were blinding in the sun. He felt a mysterious sense of service in doing this. He would go up to it and touch its spinning coils gently. The gods he had worshipped were all far away. The people in London hid their gods.

At last his dim feelings grew more distinct and took

shape in thoughts, and at last in acts. When he came into the roaring shed one morning he salaamed to the Lord of the Dynamos, and then, when Holroyd was away, he went and whispered to the thundering machine that he was its servant, and prayed it to have pity on him and save him from Holroyd. As he did so a rare gleam of light came in through the open archway of the throbbing machine-shed, and the Lord of the Dynamos, as he whirled and roared, was radiant with pale gold. Then Azuma-zi knew that his service was acceptable to his Lord. After that he did not feel so lonely as he had done, and he had indeed been very much alone in London. Even when his work-time was over, which was rare, he loitered about the shed.

The next time Holroyd maltreated him, Azuma-zi went presently to the Lord of the Dynamos and whispered, "Thou seest, O my Lord!" and the angry whirr of the machinery seemed to answer him. Thereafter it appeared to him that whenever Holroyd came into the shed a different note mingled with the sounds of the dynamo. "My Lord bides his time," said Azuma-zi to himself. "The iniquity of the fool is not yet ripe." And he waited and watched for the reckoning. One day there was evidence of short circuiting, and Holroyd, making an unwary examination—it was in the afternoon—got a rather severe shock. Azuma-zi from behind the engine saw him jump off and curse at the peccant coil.

"He is warned," said Azuma-zi to himself. "Surely my Lord is very patient."

Holroyd had at first initiated his "nigger" into such elementary conceptions of the dynamo's working as would enable him to take temporary charge of the shed in his absence. But when he noticed the

manner in which Azuma-zi hung about the monster he became suspicious. He dimly perceived his assistant was "up to something," and connecting him with the anointing of the coils with oil that had rotted the varnish in one place, he issued an edict, shouted above the confusion of the machinery, "Don't 'ee go nigh that big dynamo any more, Pooh-bah, or a'll take thy skin off!" Besides, if it pleased Azuma-zi to be near the big machine, it was plain sense and decency to keep him away from it.

Azuma-zi obeyed at the time, but later he was caught bowing before the Lord of the Dynamos. At which Holroyd twisted his arm and kicked him as he turned to go away. As Azuma-zi presently stood behind the engine and glared at the back of the hated Holroyd, the noises of the machinery took a new rhythm and sounded like four words in his native tongue.

It is hard to say exactly what madness is. I fancy Azuma-zi was mad. The incessant din and whirl of the dynamo shed may have churned up his little store of knowledge and big store of superstitious fancy, at last, into something akin to frenzy. At any rate, when the idea of making Holroyd a sacrifice to the Dynamo Fetich was thus suggested to him, it filled him with a strange tumult of exultant emotion.

That night the two men and their black shadows were alone in the shed together. The shed was lit with one big arc-light and winked and flickered purple. The shadows lay black behind the dynamos, the ball governors of the engines whirled from light to darkness, and their pistons beat loud and steadily. The world outside seen through the open end of the shed seemed incredibly dim and remote. It seemed absolutely silent, too, since the riot of the machinery

drowned every external sound. Far away was the black fence of the yard with grey shadowy houses behind, and above was the deep blue sky and the pale little stars. Azuma-zi suddenly walked across the centre of the shed above which the leather bands were running, and went into the shadow by the big dynamo. Holroyd heard a click, and the spin of the armature changed.

"What are you dewin' with that switch?" he bawled in surprise. "Han't I told you . . ."

Then he saw the set expression of Azuma-zi's eyes as the Asiatic came out of the shadow towards him.

In another moment the two men were grappling fiercely in front of the great dynamo.

"You coffee-headed fool!" gasped Holroyd, with a brown hand at his throat. "Keep off those contact rings." In another moment he was tripped and reeling back upon the Lord of the Dynamos. He instinctively loosened his grip upon his antagonist to save himself from the machine.

The messenger, sent in furious haste from the station to find out what had happened in the dynamo shed, met Azuma-zi at the porter's lodge by the gate. Azuma-zi tried to explain something, but the messenger could make nothing of the black's incoherent English, and hurried on to the shed. The machines were all noisily at work, and nothing seemed to be disarranged. There was, however, a queer smell of singed hair. Then he saw an odd-looking crumpled mass clinging to the front of the big dynamo, and, approaching, recognized the distorted remains of Holroyd.

The man stared and hesitated a moment. Then he saw the face, and shut his eyes convulsively. He turned on his heel before he opened them, so that he

should not see Holroyd again, and went out of the shed to get advice and help.

When Azuma-zi saw Holroyd die in the grip of the Great Dynamo he had been a little scared about the consequences of his act. Yet he felt strangely elated and knew that the favour of the Lord Dynamo was upon him. His plan was already settled when he met the man coming from the station, and the scientific manager who speedily arrived on the scene jumped at the obvious conclusion of suicide. This expert scarcely noticed Azuma-zi, except to ask a few questions. Did he see Holroyd kill himself? Azuma-zi explained he had been out of sight at the engine furnace until he heard a difference in the noise from the dynamo. It was not a difficult examination, being untinged by suspicion.

The distorted remains of Holroyd, which the electrician removed from the machine, were hastily covered by the porter with a coffee-stained tablecloth. Somebody, by a happy inspiration, fetched a medical man. The expert was chiefly anxious to get the machine at work again, for seven or eight trains had stopped midway in the stuffy tunnels of the electric railway. Azuma-zi, answering or misunderstanding the questions of the people who had by authority or impudence come into the shed, was presently sent back to the stoke-hole by the scientific manager. Of course a crowd collected outside the gates of the yard—a crowd, for no known reason, always hovers for a day or two near the scene of a sudden death in London—two or three reporters percolated somehow into the engine shed, and one even got to Azuma-zi; but the scientific expert cleared them out again, being himself an amateur journalist.

Presently the body was carried away, and public

interest departed with it. Azuma-zi remained very quietly at his furnace, seeing over and over again in the coals a figure that wriggled violently and became still. An hour after the murder, to any one coming into the shed things would have looked exactly as if nothing remarkable had ever happened there. Peeping presently from his engine-room the black saw the Lord Dynamo spin and whirl beside his little brothers, and the driving-wheels were beating round and the steam in the pistons went thud, thud, exactly as it had been earlier in the evening. After all, from the mechanical point of view it had been a most insignificant incident—the mere temporary deflection of a current. But now the slender form and slender shadow of the scientific manager replaced the sturdy outline of Holroyd travelling up and down the lane of light upon the vibrating floor under the straps between the engines and the dynamos.

“Have I not served my Lord?” said Azuma-zi inaudibly from his shadow, and the note of the great dynamo rang out full and clear. As he looked at the big whirling mechanism the strange fascination of it that had been a little in abeyance since Holroyd’s death resumed its sway.

Never had Azuma-zi seen a man killed so swiftly and pitilessly. The big humming machine had slain its victim without wavering for a second from its steady beating. It was indeed a mighty god.

The unconscious scientific manager stood with his back to him, scribbling on a piece of paper. His shadow lay at the foot of the monster.

Was the Lord Dynamo still hungry? His servant was ready.

Azuma-zi made a stealthy step forward; then stopped. The scientific manager suddenly ceased his

writing, walked down the shed to the endmost of the dynamos, and began to examine the brushes.

Azuma-zi hesitated, and then slipped across noiselessly into the shadow by the switch. There he waited. Presently the manager's footsteps could be heard returning. He stopped in his old position, unconscious of the stoker crouching ten feet away from him. Then the big dynamo suddenly fizzled, and in another moment Azuma-zi had sprung out of the darkness upon him.

The scientific manager was gripped round the body and swung towards the big dynamo. Kicking with his knee and forcing his antagonist's head down with his hands, he loosened the grip on his waist and swung round away from the machine. Then the black grasped him again, putting a curly head against his chest, and they swayed and panted as it seemed for an age or so. Then the scientific manager was impelled to catch a black ear in his teeth and bite furiously. The black yelled hideously.

They rolled over on the floor, and the black, who had apparently slipped from the vice of the teeth or parted with some ear—the scientific manager wondered which at the time—tried to throttle him. The scientific manager was making some ineffectual efforts to claw something with his hands and to kick, when the welcome sound of quick footsteps sounded on the floor. The next moment Azuma-zi had left him and darted towards the big dynamo. There was a splutter amid the roar.

The officer of the company who had entered stood staring as Azuma-zi caught the naked terminals in his hands, gave one horrible convulsion, and then hung motionless from the machine, his face violently distorted.

"I'm jolly glad you came in when you did," said the scientific manager, still sitting on the floor.

He looked at the still quivering figure. "It is not a nice death to die, apparently—but it is quick."

The official was still staring at the body. He was a man of slow apprehension.

There was a pause.

The scientific manager got up on his feet rather awkwardly. He ran his fingers along his collar thoughtfully, and moved his head to and fro several times.

"Poor Holroyd! I see now." Then almost mechanically he went towards the switch in the shadow and turned the current into the railway circuit again. As he did so the singed body loosened its grip upon the machine and fell inward on its face. The core of the dynamo roared out loud and clear, and the armature beat the air.

So ended prematurely the worship of the Dynamo Deity, perhaps the most short-lived of all religions. Yet withal it could at least boast a Martyrdom and a Human Sacrifice.

The Stolen Bacillus and Other Incidents. 1895.

XI

THE ARGONAUTS OF THE AIR

ONE saw Monson's flying-machine from the windows of the trains passing either along the South-Western main line or along the line between Wimbledon and Worcester Park—to be more exact, one saw the huge scaffoldings which limited the flight of the apparatus. They rose over the tree-tops, a massive alley of interlacing iron and timber, and an enormous web of ropes and tackle, extending the best part of two miles. From the Leatherhead branch this alley was foreshortened and in part hidden by a hill with villas ; but from the main line one had it in profile, a complex tangle of girders and curving bars, very impressive to the excursionists from Portsmouth and Southampton and the West. Monson had taken up the work where Maxim had left it, had gone on at first with an utter contempt for the journalistic wit and ignorance that had irritated and hampered his predecessor, and had spent (it was said) rather more than half his immense fortune upon his experiments. The results, to an impatient generation, seemed inconsiderable. When some five years had passed after the growth of the colossal iron groves at Worcester Park, and Monson still failed to put in a fluttering appearance over Trafalgar Square, even the Isle of Wight trippers

felt their liberty to smile. And such intelligent people as did not consider Monson a fool stricken with the mania for invention, denounced him as being (for no particular reason) a self-advertising quack.

Yet now and again a morning trainload of season-ticket holders would see a white monster rush headlong through the airy tracery of guides and bars, and hear the further stays, nettings, and buffers snap, creak, and groan with the impact of the blow. Then there would be an efflorescence of black-set white-rimmed faces along the sides of the train, and the morning papers would be neglected for a vigorous discussion of the possibility of flying (in which nothing new was ever said by any chance), until the train reached Waterloo, and its cargo of season-ticket holders dispersed themselves over London. Or the fathers and mothers in some multitudinous train of weary excursionists returning exhausted from a day of rest by the sea, would find the dark fabric, standing out against the evening sky, useful in diverting some bilious child from its introspection, and be suddenly startled by the swift transit of a huge black flapping shape that strained upward against the guides. It was a great and forcible thing beyond dispute, and excellent for conversation; yet, all the same, it was but flying in leading-strings, and most of those who witnessed it scarcely counted its flight as flying. More of a switchback it seemed to the run of the folk.

Monson, I say, did not trouble himself very keenly about the opinions of the Press at first. But possibly he, even, had formed but a poor idea of the time it would take before the tactics of flying were mastered, the swift assured adjustment of the big soaring shape to every gust and chance movement of the air; nor had he clearly reckoned the money this prolonged

struggle against gravitation would cost him. And he was not so pachydermatous as he seemed. Secretly he had his periodical bundles of cuttings sent him by Romeike, he had his periodical reminders from his banker; and if he did not mind the initial ridicule and scepticism, he felt the growing neglect as the months went by and the money dribbled away. Time was when Monson had sent the enterprising journalist, keen after readable matter, empty from his gates. But when the enterprising journalist ceased from troubling, Monson was anything but satisfied in his heart of hearts. Still day by day the work went on, and the multitudinous subtle difficulties of the steering diminished in number. Day by day, too, the money trickled away, until his balance was no longer a matter of hundreds of thousands, but of tens. And at last came an anniversary.

Monson, sitting in the little drawing-shed, suddenly noticed the date on Woodhouse's calendar.

"It was five years ago to-day that we began," he said to Woodhouse suddenly.

"Is it?" said Woodhouse.

"It's the alterations play the devil with us," said Monson, biting a paper-fastener.

The drawings for the new vans to the hinder screw lay on the table before him as he spoke. He pitched the mutilated brass paper-fastener into the waste-paper basket and drummed with his fingers. "These alterations! Will the mathematicians ever be clever enough to save us all this patching and experimenting? Five years—learning by rule of thumb, when one might think that it was possible to calculate the whole thing out beforehand. The cost of it! I might have hired three senior wranglers for life. But they'd only have developed some beautifully useless

theorems in pneumatics. What a time it has been, Woodhouse!"

"These mouldings will take three weeks," said Woodhouse. "At special prices."

"Three weeks!" said Monson, and sat drumming.

"Three weeks certain," said Woodhouse, an excellent engineer, but no good as a comforter. He drew the sheets towards him and began shading a bar.

Monson stopped drumming, and began to bite his finger-nails, staring the while at Woodhouse's head.

"How long have they been calling this Monson's Folly?" he said suddenly.

"Oh! Year or so," said Woodhouse carelessly, without looking up.

Monson sucked the air in between his teeth, and went to the window. The stout iron columns carrying the elevated rails upon which the start of the machine was made rose up close by, and the machine was hidden by the upper edge of the window. Through the grove of iron pillars, red painted and ornate with rows of bolts, one had a glimpse of the pretty scenery towards Esher. A train went gliding noiselessly across the middle distance, its rattle drowned by the hammering of the workmen overhead. Monson could imagine the grinning faces at the windows of the carriages. He swore savagely under his breath, and dabbed viciously at a blowfly that suddenly became noisy on the window-pane.

"What's up?" said Woodhouse, staring in surprise at his employer.

"I'm about sick of this."

Woodhouse scratched his cheek. "Oh!" he said, after an assimilating pause. He pushed the drawing away from him.

"Here these fools. . . . I'm trying to conquer a

new element—trying to do a thing that will revolutionize life. And instead of taking an intelligent interest, they grin and make their stupid jokes, and call me and my appliances names.”

“Asses!” said Woodhouse, letting his eye fall again on the drawing.

The epithet, curiously enough, made Monson wince. “I’m about sick of it, Woodhouse, anyhow,” he said, after a pause.

Woodhouse shrugged his shoulders.

“There’s nothing for it but patience, I suppose,” said Monson, sticking his hands in his pockets. “I’ve started. I’ve made my bed, and I’ve got to lie on it. I can’t go back. I’ll see it through, and spend every penny I have and every penny I can borrow. But I tell you, Woodhouse, I’m infernally sick of it, all the same. If I’d paid a tenth part of the money towards some political greaser’s expenses—I’d have been a baronet before this.”

Monson paused. Woodhouse stared in front of him with a blank expression he always employed to indicate sympathy, and tapped his pencil-case on the table. Monson stared at him for a minute.

“Oh, *damn*!” said Monson suddenly, and abruptly rushed out of the room.

Woodhouse continued his sympathetic rigour for perhaps half a minute. Then he sighed and resumed the shading of the drawings. Something had evidently upset Monson. Nice chap, and generous, but difficult to get on with. It was the way with every amateur who had anything to do with engineering—wanted everything finished at once. But Monson had usually the patience of the expert. Odd he was so irritable. Nice and round that aluminium rod did look now! Woodhouse threw back his head, and

put it, first this side and then that, to appreciate his bit of shading better.

"Mr. Woodhouse," said Hooper, the foreman of the labourers, putting his head in at the door.

"Hallo!" said Woodhouse, without turning round.

"Nothing happened, sir?" said Hooper.

"Happened?" said Woodhouse.

"The governor just been up the rails swearing like a tornader."

"Oh!" said Woodhouse.

"It ain't like him, sir."

"No?"

"And I was thinking perhaps——"

"Don't think," said Woodhouse, still admiring the drawings.

Hooper knew Woodhouse, and he shut the door suddenly with a vicious slam. Woodhouse stared stonily before him for some further minutes, and then made an ineffectual effort to pick his teeth with his pencil. Abruptly he desisted, pitched that old, tried, and stumpy servitor across the room, got up, stretched himself, and followed Hooper.

He looked ruffled—it was visible to every workman he met. When a millionaire who has been spending thousands on experiments that employ quite a little army of people suddenly indicates that he is sick of the undertaking, there is almost invariably a certain amount of mental friction in the ranks of the little army he employs. And even before he indicates his intentions there are speculations and murmurs, a watching of faces and a study of straws. Hundreds of people knew before the day was out that Monson was ruffled, Woodhouse ruffled, Hooper ruffled. A workman's wife, for instance (whom Monson had never seen), decided to keep her money in the

savings-bank instead of buying a velveteen dress. So far-reaching are even the casual curses of a millionaire.

Monson found a certain satisfaction in going on the works and behaving disagreeably to as many people as possible. After a time even that palled upon him, and he rode off the grounds, to every one's relief there, and through the lanes south-eastward, to the infinite tribulation of his house steward at Cheam.

And the immediate cause of it all, the little grain of annoyance that had suddenly precipitated all this discontent with his life-work was—these trivial things that direct all our great decisions!—half a dozen ill-considered remarks made by a pretty girl, prettily dressed, with a beautiful voice and something more than prettiness in her soft grey eyes. And of these half-dozen remarks, two words especially—"Monson's Folly." She had felt she was behaving charmingly to Monson; she reflected the next day how exceptionally effective she had been, and no one would have been more amazed than she, had she learned the effect she had left on Monson's mind. I hope, considering everything, that she never knew.

"How are you getting on with your flying-machine?" she asked. ("I wonder if I shall ever meet any one with the sense not to ask that," thought Monson.) "It will be very dangerous at first, will it not?" ("Thinks I'm afraid.") "Jorgon is going to play presently; have you heard him before?" ("My mania being attended to, we turn to rational conversation.") Gush about Jorgon; gradual decline of conversation, ending with—"You must let me know when your flying-machine is finished, Mr. Monson, and then I will consider the advisability of

taking a ticket." ("One would think I was still playing inventions in the nursery.") But the bitterest thing she said was not meant for Monson's ears. To Phlox, the novelist, she was always conscientiously brilliant. "I have been talking to Mr. Monson, and he can think of nothing, positively nothing, but that flying-machine of his. Do you know, all his workmen call that place of his 'Monson's Folly'? He is quite impossible. It is really very, very sad. I always regard him myself in the light of sunken treasure—the Lost Millionaire, you know."

She was pretty and well educated—indeed, she had written an epigrammatic novelette; but the bitterness was that she was typical. She summarized what the world thought of the man who was working sanely, steadily, and surely towards a more tremendous revolution in the appliances of civilization, a more far-reaching alteration in the ways of humanity than has ever been effected since history began. They did not even take him seriously. In a little while he would be proverbial. "*I must fly now*," he said on his way home, smarting with a sense of absolute social failure. "*I must fly soon*. If it doesn't come off soon; by God! I shall run amuck."

He said that before he had gone through his pass-book and his litter of papers. Inadequate as the cause seems, it was that girl's voice and the expression of her eyes that precipitated his discontent. But certainly the discovery that he had no longer even one hundred thousand pounds' worth of realizable property behind him was the poison that made the wound deadly.

It was the next day after this that he exploded upon Woodhouse and his workmen, and thereafter his bearing was consistently grim for three weeks, and anxiety dwelt in Cheam and Ewell, Malden, Morden, and

Worcester Park, places that had thriven mightily on his experiments.

Four weeks after that first swearing of his, he stood with Woodhouse by the reconstructed machine as it lay across the elevated railway, by means of which it gained its initial impetus. The new propeller glittered a brighter white than the rest of the machine, and a gilder, obedient to a whim of Monson's, was picking out the aluminium bars with gold. And looking down the long avenue between the ropes (gilded now with the sunset), one saw red signals, and two miles away an ant-hill of workmen busy altering the last falls of the run into a rising slope.

"I'll *come*," said Woodhouse. "I'll come right enough. But I tell you it's infernally foolhardy. If only you would give another year——"

"I tell you I won't. I tell you the thing works. I've given years enough——"

"It's not that," said Woodhouse. "We're all right with the machine. But it's the steering——"

"Haven't I been rushing, night and morning, backwards and forwards, through this squirrel's cage? If the thing steers true here, it will steer true all across England. It's just funk, I tell you, Woodhouse. We could have gone a year ago. And besides——"

"Well?" said Woodhouse.

"The money!" snapped Monson over his shoulder.

"Hang it! I never thought of the money," said Woodhouse, and then, speaking now in a very different tone to that with which he had said the words before, he repeated, "I come. Trust me."

Monson turned suddenly, and saw all that Woodhouse had not the dexterity to say, shining on his sunset-lit face. He looked for a moment, then impulsively extended his hand. "Thanks," he said.

"All right," said Woodhouse, gripping the hand, and with a queer softening of his features. "Trust me."

Then both men turned to the big apparatus that lay with its flat wings extended upon the carrier, and stared at it meditatively. Monson, guided perhaps by a photographic study of the flight of birds, and by Lilienthal's methods, had gradually drifted from Maxim's shapes towards the bird form again. The thing, however, was driven by a huge screw behind in the place of the tail; and so hovering, which needs an almost vertical adjustment of a flat tail, was rendered impossible. The body of the machine was small, almost cylindrical, and pointed. Forward and aft on the pointed ends were two small petroleum engines for the screw, and the navigators sat deep in a canoe-like recess, the foremost one steering, and being protected by a low screen, with two plate-glass windows, from the blinding rush of air. On either side a monstrous flat framework with a curved front border could be adjusted so as either to lie horizontally, or to be tilted upward or down. These wings worked rigidly together, or, by releasing a pin, one could be tilted through a small angle independently of its fellow. The front edge of either wing could also be shifted back so as to diminish the wing-area about one-sixth. The machine was not only not designed to hover, but it was also incapable of fluttering. Monson's idea was to get into the air with the initial rush of the apparatus, and then to skim, much as a playing-card may be skimmed, keeping up the rush by means of the screw at the stern. Rooks and gulls fly enormous distances in that way with scarcely a perceptible movement of the wings. The bird really drives along on an aerial switchback. It glides slanting downward for a space,

until it has gained considerable momentum, and then altering the inclination of its wings, glides up again almost to its original altitude. Even a Londoner who has watched the birds in the aviary in Regent's Park knows that.

But the bird is practising this art from the moment it leaves its nest. It has not only the perfect apparatus, but the perfect instinct to use it. A man off his feet has the poorest skill in balancing. Even the simple trick of the bicycle costs him some hours of labour. The instantaneous adjustments of the wings, the quick response to a passing breeze, the swift recovery of equilibrium, the giddy, eddying movements that require such absolute precision—all that he must learn, learn with infinite labour and infinite danger, if ever he is to conquer flying. The flying-machine that will start off some fine day, driven by neat "little levers," with a nice open deck like a liner, and all loaded up with bomb-shells and guns, is the easy dreaming of a literary man. In lives and in treasure the cost of the conquest of the empire of the air may even exceed all that has been spent in man's great conquest of the sea. Certainly it will be costlier than the greatest war that has ever devastated the world.

No one knew these things better than these two practical men. And they knew they were in the front rank of the coming army. Yet there is hope even in a forlorn hope. Men are killed outright in the reserves sometimes, while others who have been left for dead in the thickest corner crawl out and survive.

"If we miss these meadows"—said Woodhouse presently in his slow way.

"My dear chap," said Monson, whose spirits had been rising fitfully during the last few days, "we mustn't miss these meadows. There's a quarter of a

square mile for us to hit, fences removed, ditches levelled. We shall come down all right—rest assured. And if we don't——”

“ Ah ! ” said Woodhouse. “ If we don't ! ”

Before the day of the start, the newspaper people got wind of the alterations at the northward end of the framework, and Monson was cheered by a decided change in the comments Romeike forwarded him. “ He will be off some day,” said the papers. “ He will be off some day,” said the South-Western season-ticket holders one to another; the seaside excursionists, the Saturday-to-Monday trippers from Sussex and Hampshire and Dorset and Devon, the eminent literary people from Haslemere, all remarked eagerly one to another, “ He will be off some day,” as the familiar scaffolding came in sight. And actually, one bright morning, in full view of the ten-past-ten train from Basingstoke, Monson's flying-machine started on its journey.

They saw the carrier running swiftly along its rail, and the white and gold screw spinning in the air. They heard the rapid rumble of wheels, and a thud as the carrier reached the buffers at the end of its run. Then a whirr as the flying-machine was shot forward into the networks. All that the majority of them had seen and heard before. The thing went with a drooping flight through the framework and rose again, and then every beholder shouted, or screamed, or yelled, or shrieked after his kind. For instead of the customary concussion and stoppage, the flying-machine flew out of its five years' cage like a bolt from a crossbow, and drove slantingly upward into the air, curved round a little, so as to cross the line, and soared in the direction of Wimbledon Common.

It seemed to hang momentarily in the air and grow

smaller, then it ducked and vanished over the clustering blue tree-tops to the east of Coombe Hill, and no one stopped staring and gasping until long after it had disappeared.

That was what the people in the train from Basingstoke saw. If you had drawn a line down the middle of that train, from engine to guard's van, you would not have found a living soul on the opposite side to the flying-machine. It was a mad rush from window to window as the thing crossed the line. And the engine-driver and stoker never took their eyes off the low hills about Wimbledon, and never noticed that they had run clean through Coombe and Malden and Raynes Park, until, with returning animation, they found themselves pelting, at the most indecent pace, into Wimbledon station.

From the moment when Monson had started the carrier with a "*Now!*" neither he nor Woodhouse said a word. Both men sat with clenched teeth. Monson had crossed the line with a curve that was too sharp, and Woodhouse had opened and shut his white lips; but neither spoke. Woodhouse simply gripped his seat, and breathed sharply through his teeth, watching the blue country to the west rushing past, and down, and away from him. Monson knelt at his post forward, and his hands trembled on the spoked wheel that moved the wings. He could see nothing before him but a mass of white clouds in the sky.

The machine went slanting upward, travelling with an enormous speed still, but losing momentum every moment. The land ran away underneath with diminishing speed.

"*Now!*" said Woodhouse at last, and with a violent effort Monson wrenched over the wheel and altered the angle of the wings. The machine seemed to hang



The flying-machine flew out of its five years' cage.

for half a minute motionless in mid-air, and then he saw the hazy blue house-covered hills of Kilburn and Hampstead jump up before his eyes and rise steadily, until the little sunlit dome of the Albert Hall appeared through his windows. For a moment he scarcely understood the meaning of this upward rush of the horizon, but as the nearer and nearer houses came into view, he realized what he had done. He had turned the wings over too far, and they were swooping steeply downward towards the Thames.

The thought, the question, the realization were all the business of a second of time. "Too much!" gasped Woodhouse. Monson brought the wheel half-way back with a jerk, and forthwith the Kilburn and Hampstead ridge dropped again to the lower edge of his windows. They had been a thousand feet above Coombe and Malden station; fifty seconds after they whizzed, at a frightful pace, not eighty feet above the East Putney station, on the Metropolitan District line, to the screaming astonishment of a platformful of people. Monson flung up the vans against the air, and over Fulham they rushed up their atmospheric switchback again, steeply—too steeply. The 'buses went floundering across the Fulham Road, the people yelled.

Then down again, too steeply still, and the distant trees and houses about Primrose Hill leapt up across Monson's window, and then suddenly he saw straight before him the greenery of Kensington Gardens and the towers of the Imperial Institute. They were driving straight down upon South Kensington. The pinnacles of the Natural History Museum rushed up into view. There came one fatal second of swift thought, a moment of hesitation. Should he try and clear the towers, or swerve eastward?

He made a hesitating attempt to release the right wing, left the catch half released, and gave a frantic clutch at the wheel.

The nose of the machine seemed to leap up before him. The wheel pressed his hand with irresistible force, and jerked itself out of his control.

Woodhouse, sitting crouched together, gave a hoarse cry, and sprang up towards Monson. "Too far!" he cried, and then he was clinging to the gunwale for dear life, and Monson had been jerked clean overhead, and was falling backwards upon him.

So swiftly had the thing happened that barely a quarter of the people going to and fro in Hyde Park, and Brompton Road, and the Exhibition Road saw anything of the aerial catastrophe. A distant winged shape had appeared above the clustering houses to the south, had fallen and risen, growing larger as it did so; had swooped swiftly down towards the Imperial Institute, a broad spread of flying wings, had swept round in a quarter circle, dashed eastward, and then suddenly sprang vertically into the air. A black object shot out of it, and came spinning downward. A man! Two men clutching each other! They came whirling down, separated as they struck the roof of the Students' Club, and bounded off into the green bushes on its southward side.

For perhaps half a minute, the pointed stem of the big machine still pierced vertically upward, the screw spinning desperately. For one brief instant, that yet seemed an age to all who watched, it had hung motionless in mid-air. Then a spout of yellow flame licked up its length from the stern engine, and swift, swifter, swifter, and flaring like a rocket, it rushed down upon the solid mass of masonry which was formerly the Royal College of Science. The big screw

of white and gold touched the parapet, and crumpled up like wet linen. Then the blazing spindle-shaped body smashed and splintered, smashing and splintering in its fall, upon the north-westward angle of the building.

But the crash, the flame of blazing paraffin that shot heavenward from the shattered engines of the machine, the crushed horrors that were found in the garden beyond the Students' Club, the masses of yellow parapet and red brick that fell headlong into the roadway, the running to and fro of people like ants in a broken ant-hill, the galloping of fire-engines, the gathering of crowds—all these things do not belong to this story, which was written only to tell how the first of all successful flying-machines was launched and flew. Though he failed, and failed disastrously, the record of Monson's work remains—a sufficient monument—to guide the next of that band of gallant experimentalists who will sooner or later master this great problem of flying. And between Worcester Park and Malden there still stands that portentous avenue of iron-work, rusting now, and dangerous here and there, to witness to the first desperate struggle for man's right of way through the air.

The Plattner Story and Others. 1897.

XII

FILMER

Now what precisely was Filmer's idea? Really a very simple one. Before his time the pursuit of aeronautics had taken two divergent lines, and had developed on the one hand balloons—large apparatus lighter than air, easy in ascent, and comparatively safe in descent, but floating helplessly before any breeze that took them; and on the other, flying-machines that flew only in theory—vast flat structures heavier than air, propelled and kept up by heavy engines and for the most part smashing at the first descent. But, neglecting the fact that the inevitable final collapse rendered them impossible, the weight of the flying-machines gave them this theoretical advantage, that they could go through the air against a wind, a necessary condition if aerial navigation was to have any practical value. It is Filmer's particular merit that he perceived the way in which the contrasted and hitherto incompatible merits of balloon and heavy flying-machine might be combined in one apparatus, which should be at choice either heavier or lighter than air. He took hints from the contractile bladders of fish and the pneumatic cavities of birds. He devised an arrangement of contractile and absolutely closed balloons which when expanded could lift the actual flying-apparatus with ease, and when retracted by the complicated "musculature" he wove

about them, were withdrawn almost completely into the frame ; and he built the large framework which these balloons sustained, of hollow, rigid tubes, the air in which, by an ingenious contrivance, was automatically pumped out as the apparatus fell, and which then remained exhausted so long as the aeronaut desired. There were no wings or propellers to his machine, such as there had been to all previous aeroplanes, and the only engine required was the compact and powerful little appliance needed to contract the balloons. He perceived that such an apparatus as he had devised might rise with frame exhausted and balloons expanded to a considerable height, might then contract its balloons and let the air into its frame, and by an adjustment of its weights slide down the air in any desired direction. At it fell it would accumulate velocity and at the same time lose weight, and the momentum accumulated by its downrush could be utilized by means of a shifting of its weights to drive it up in the air again as the balloons expanded. This conception, which is still the structural conception of all successful flying-machines, needed, however, a vast amount of toil upon its details before it could actually be realized, and such toil Filmer—as he was accustomed to tell the numerous interviewers who crowded upon him in the heyday of his fame—“ ungrudgingly and unsparingly gave.” His particular difficulty was the elastic lining of the contractile balloon. He found he needed a new substance, and in the discovery and manufacture of that new substance he had, as he never failed to impress upon the interviewers, “ performed a far more arduous work than even in the actual achievement of my seemingly greater discovery.”

But it must not be imagined that these interviews

followed hard upon Filmer's proclamation of his invention. An interval of nearly five years elapsed during which he timidly remained at his rubber factory—he seems to have been entirely dependent on his small income from this source—making misdirected attempts to assure a quite indifferent public that he really *had* invented what he had invented.

And then by a stroke of luck the membrane Filmer had invented for his contractile balloon was discovered to be useful for the valves of a new oil-engine, and he obtained the means for making a trial model of his invention. He threw up his rubber factory appointment, desisted from all further writing, and, with a certain secrecy that seems to have been an inseparable characteristic of all his proceedings, set to work upon the apparatus. He seems to have directed the making of its parts and collected most of it in a room in Shore-ditch, but its final putting together was done at Dymchurch, in Kent. He did not make the affair large enough to carry a man, but he made an extremely ingenious use of what were then called the Marconi rays to control its flight. The first flight of this first practicable flying-machine took place over some fields near Burford Bridge, near Hythe, in Kent, and Filmer followed and controlled its flight upon a specially constructed motor tricycle.

The flight was, considering all things, an amazing success. The apparatus was brought in a cart from Dymchurch to Burford Bridge, ascended there to a height of nearly three hundred feet, swooped thence very nearly back to Dymchurch, came about in its sweep, rose again, circled, and finally sank uninjured in a field behind the Burford Bridge Inn. At its descent a curious thing happened. Filmer got off his tricycle, scrambled over the intervening dyke, ad-

vanced perhaps twenty yards towards his triumph, threw out his arms in a strange gesticulation, and fell down in a dead faint. Every one could then recall the ghastliness of his features and all the evidences of extreme excitement they had observed throughout the trial, things they might otherwise have forgotten. Afterwards in the inn he had an unaccountable gust of hysterical weeping.

Altogether there were not twenty witnesses of this affair, and those for the most part uneducated men. The New Romney doctor saw the ascent but not the descent, his horse being frightened by the electrical apparatus on Filmer's tricycle and giving him a nasty spill. Two members of the Kent constabulary watched the affair from a cart in an unofficial spirit, and a grocer calling round the Marsh for orders and two lady cyclists seem almost to complete the list of educated people. There were two reporters present, one representing a Folkestone paper and the other being a fourth-class interviewer and "symposium" journalist, whose expenses down, Filmer, anxious as ever for adequate advertisement—and now quite realizing the way in which adequate advertisement may be obtained—had paid. The latter was one of those writers who can throw a convincing air of unreality over the most credible events, and his half-facetious account of the affair appeared in the magazine page of a popular journal. But, happily for Filmer, this person's colloquial methods were more convincing. He went to offer some further screed upon the subject to Banghurst, the proprietor of the *New Paper*, and one of the ablest and most unscrupulous men in London journalism, and Banghurst instantly seized upon the situation. The interviewer vanishes from the narrative, no doubt very doubtfully remunerated, and

Banghurst, Banghurst himself, double chin, grey twill suit, abdomen, voice, gestures and all, appears at Dymchurch, following his large, unrivalled journalistic nose. He had seen the whole thing at a glance, just what it was and what it might be.

At his touch, as it were, Filmer's long-pent investigations exploded into fame. He instantly and most magnificently was a Boom. One turns over the files of the journals of the year 1907 with a quite incredulous recognition of how swift and flaming the boom of those days could be. The July papers know nothing of flying, see nothing in flying, state by a most effective silence that men never would, could, or should fly. In August flying and Filmer and flying and parachutes and aerial tactics and the Japanese Government and Filmer and again flying, shouldered the war in Yunnan and the gold mines of Upper Greenland off the leading page. And Banghurst had given ten thousand pounds, and further, Banghurst was giving five thousand pounds, and Banghurst had devoted his well-known, magnificent (but hitherto sterile) private laboratories and several acres of land near his private residence on the Surrey hills to the strenuous and violent completion—Banghurst fashion—of the life-size practicable flying-machine. Meanwhile, in the sight of privileged multitudes in the walled-garden of the Banghurst town residence in Fulham, Filmer was exhibited at weekly garden parties putting the working model through its paces. At enormous initial cost, but with a final profit, the *New Paper* presented its readers with a beautiful photographic souvenir of the first of these occasions.

Here again the correspondence of Arthur Hicks and his friend Vance comes to our aid.

"I saw Filmer in his glory," he writes, with just the

touch of envy natural to his position as a poet *passé*. "The man is brushed and shaved, dressed in the fashion of a Royal-Institution-Afternoon Lecturer, the very newest shape in frock-coats and long patent shoes, and altogether in a state of extraordinary streakiness between an owlish great man and a scared abashed self-conscious bounder cruelly exposed. He hasn't a touch of colour in the skin of his face, his head juts forward, and those queer little dark amber eyes of his watch furtively round him for his fame. His clothes fit perfectly and yet sit upon him as though he had bought them ready-made. He speaks in a mumble still, but he says, you perceive indistinctly, enormous self-assertive things, he backs into the rear of groups by instinct if Banghurst drops the line for a minute, and when he walks across Banghurst's lawn one perceives him a little out of breath and going jerky, and that his weak white hands are clenched. His is a state of tension—horrible tension. And he is the Greatest Discoverer of This or Any Age—the Greatest Discoverer of This or Any Age! What strikes one so forcibly about him is that he didn't somehow quite expect it ever, at any rate, not at all like this. Banghurst is about everywhere, the energetic M.C. of his great little catch, and I swear he will have every one down on his lawn there before he has finished with the engine; he had bagged the prime minister yesterday, and he, bless his heart! didn't look particularly outsize, on the very first occasion. Conceive it! Filmer! Our obscure unwashed Filmer, the Glory of British science! Duchesses crowd upon him, beautiful, bold peeresses say in their beautiful, clear loud voices—have you noticed how penetrating the great lady is becoming nowadays?—'Oh, Mr. Filmer, how *did* you do it?'

"Common men on the edge of things are too remote for the answer. One imagines something in the way of that interview, 'toil ungrudgingly and unsparingly given, Madam, and, perhaps—I don't know—but perhaps a little special aptitude.' "

So far Hicks, and the photographic supplement to the *New Paper* is in sufficient harmony with the description. In one picture the machine swings down towards the river, and the tower of Fulham church appears below it through a gap in the elms, and in another, Filmer sits at his guiding batteries, and the great and beautiful of the earth stand around him, with Banghurst massed modestly but resolutely in the rear. The grouping is oddly apposite. Occluding much of Banghurst, and looking with a pensive, speculative expression at Filmer, stands the Lady Mary Elkinghorn, still beautiful, in spite of the breath of scandal and her eight-and-thirty years, the only person whose face does not admit a perception of the camera that was in the act of snapping them all.

So much for the exterior facts of the story, but, after all, they are very exterior facts. About the real interest of the business one is necessarily very much in the dark. How was Filmer feeling at the time? How much was a certain unpleasant anticipation present inside that very new and fashionable frock-coat? He was in the halfpenny, penny, sixpenny, and more expensive papers alike, and acknowledged by the whole world as "the Greatest Discoverer of This or Any Age." He had invented a practicable flying-machine, and every day down among the Surrey hills the life-sized model was getting ready. And when it was ready, it followed as a clear inevitable consequence of his having invented and made it—everybody in the world, indeed, seemed to take it for granted; there

wasn't a gap anywhere in that serried front of anticipation—that he would proudly and cheerfully get aboard it, ascend with it, and fly.

But we know now pretty clearly that simple pride and cheerfulness in such an act were singularly out of harmony with Filmer's private constitution. It occurred to no one at the time, but there the fact is. We can guess with some confidence now that it must have been drifting about in his mind a great deal during the day, and, from a little note to his physician complaining of persistent insomnia, we have the soundest reason for supposing it dominated his nights—the idea that it would be after all, in spite of his theoretical security, an abominably sickening, uncomfortable, and dangerous thing for him to flap about in nothingness a thousand feet or so in the air. It must have dawned upon him quite early in the period of being the Greatest Discoverer of This or Any Age, the vision of doing this and that with an extensive void below. Perhaps somewhen in his youth he had looked down a great height or fallen down in some excessively uncomfortable way ; perhaps some habit of sleeping on the wrong side had resulted in that disagreeable falling nightmare one knows, and given him his horror ; of the strength of that horror there remains now not a particle of doubt.

Apparently he had never weighed this duty of flying in his earlier days of research ; the machine had been his end, but now things were opening out beyond his end, and particularly this giddy whirl up above there. He was a Discoverer and he had Discovered. But he was not a Flying Man, and it was only now that he was beginning to perceive clearly that he was expected to fly. Yet, however much the thing was present in his mind he gave no expression to it until the very end,

and meanwhile he went to and fro from Banghurst's magnificent laboratories, and was interviewed and lionized, and wore good clothes, and ate good food, and lived in an elegant flat, enjoying a very abundant feast of such good, coarse, wholesome Fame and Success as a man, starved for all his years as he had been starved, might be reasonably expected to enjoy.

After a time, the weekly gatherings in Fulham ceased. The model had failed one day just for a moment to respond to Filmer's guidance, or he had been distracted by the compliments of an archbishop. At any rate, it suddenly dug its nose into the air just a little too steeply as the archbishop was sailing through a Latin quotation for all the world like an archbishop in a book, and it came down in the Fulham Road within three yards of a bus horse. It stood for a second perhaps, astonishing and in its attitude astonished, then it crumpled, shivered into pieces, and the bus horse was incidentally killed.

Filmer lost the end of the archiepiscopal compliment. He stood up and stared as his invention swooped out of sight and reach of him. His long, white hands still gripped his useless apparatus. The archbishop followed his skyward stare with an apprehension unbecoming in an archbishop.

Then came the crash and the shouts and uproar from the road to relieve Filmer's tension. "My God!" he whispered, and sat down.

Every one else almost was staring to see where the machine had vanished, or rushing into the house.

The making of the big machine progressed all the more rapidly for this. Over its making presided Filmer, always a little slow and very careful in his manner, always with a growing preoccupation in his mind. His care over the strength and soundness of

the apparatus was prodigious. The slightest doubt, and he delayed everything until the doubtful part could be replaced. Wilkinson, his senior assistant, fumed at some of these delays, which, he insisted, were for the most part unnecessary. Banghurst magnified the patient certitude of Filmer in the *New Paper*, and reviled it bitterly to his wife, and MacAndrew, the second assistant, approved Filmer's wisdom. "We're not wanting a *fiasco*, man," said MacAndrew. "He's perfectly well advised."

And whenever an opportunity arose Filmer would expound to Wilkinson and MacAndrew just exactly how every part of the flying-machine was to be controlled and worked, so that in effect they would be just as capable, and even more capable, when at last the time came, of guiding it through the skies.

Now I should imagine that if Filmer had seen fit at this stage to define just what he was feeling, and to take a definite line in the matter of his ascent, he might have escaped that painful ordeal quite easily. If he had had it clearly in his mind he could have done endless things. He would surely have found no difficulty with a specialist to demonstrate a weak heart, or something gastric or pulmonary, to stand in his way—that is the line I am astonished he did not take—or he might, had he been man enough, have declared simply and finally that he did not intend to do the thing. But the fact is, though the dread was hugely present in his mind, the thing was by no means sharp and clear. I fancy that all through this period he kept telling himself that when the occasion came he would find himself equal to it. He was like a man just gripped by a great illness, who says he feels a little out of sorts, and expects to be better presently. Meanwhile he delayed the completion of the machine, and

let the assumption that he was going to fly it take root and flourish exceedingly about him. He even accepted anticipatory compliments on his courage. And, barring this secret squeamishness, there can be no doubt he found all the praise and distinction and fuss he got a delightful and even intoxicating draught.

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Twelve Stories and a Dream. 1903.



ON THINKING IT OVER

H. G. Wells

Born in Bromley, Kent, in 1866, son of a small shop-keeper, who was for a time a Kent County cricketer. After serving unwillingly as a draper's apprentice he won a bursary that took him to the South Kensington College of Science where he graduated with 1st Class Honours. After teaching for a time he turned to journalism, and made his name as short story writer (first collected volume, 1895), novelist (*Kipps*, 1905), and publicist (*The Work, Wealth, and Happiness of Mankind*, 1932). He became a world figure; and died in 1946.

The Short Stories

Mostly scientific in background: very ordinary folk are suddenly plunged, through some freak of biology or physics, into fantastic adventures. Among the best of the stories critics put: *The Country of the Blind*, *The Magic Shop*, *The Beautiful Suit*, and *The Star*, all of which possess emotional depth in addition to their fantasy.

Some characteristics of the stories:

1. Masculinity. There is no love interest. ✓
2. A well-made and consistent plot with a marked climax. The successive happenings are as logically and concretely drawn as those of Swift in *Gulliver's Travels*.
3. The central character, a very ordinary, even dull fellow, is a type-personage used as a viewpoint for the reader.

4. A few other characters, generally men, are brought out in a phrase or two, a snippet of dialogue, and the way they respond to the queer things that happen to them. The educated and uneducated often given in contrast.
5. A touch of warmth, the pathetic, the lively, or the scientifically enthusiastic.
6. A genial, often pert play of humour: at times ironical, at others facetious.
7. An air of humility, as if to say, "Of course I can't expect you to believe me, but it's the truth as far as a dull fellow like me can make it out." Wells never protests, but uses a "convincing *insouciance*."
8. A tendency to give either (a) a story happily blending action, dialogue, and character, or (b) a well-developed atmosphere piece, full of description and explanation, with action working at the climax.
9. A background of scientific fact and theory, with continual delight in showing how extraordinarily different things might be with only a slight preliminary departure from the normal.
10. Definite feeling for style: crispness, clipped brilliancy of phrasing, often a Biblical dignity and power. (Wells's novels are careless in style; his sociological books ignore "style" altogether.) Range of words considerable, from idiomatic English to scientific nomenclature. Conversational ease of phrasing.
11. Unlike Swift's *Gulliver's Travels*, a pervading optimism and genial keenness.

Development of the Short Story as a Form

The short story proper, that is, a deliberately fashioned work of art, and not just a straightforward tale of one or

more events, belongs to modern times. The founder of the form is generally considered to be Edgar Allan Poe (1809-49), a Bostonian American of Irish descent, who was a master of the mystery and horror story. The Americans are still masters of the form, but the French and the Russians have also excelled in it. Some famous names are :

U.S.A.—Bret Harte (1839-1902).

“ O. Henry ” (1862-1910).

France.—Guy de Maupassant (1850-93).

Russia.—Anton Chekhov (1860-1904).

Britain.—R. L. Stevenson; Conan Doyle;
Rudyard Kipling; H. G. Wells;
Katherine Mansfield; A. E. Coppard.

Short stories take innumerable forms, but on the whole they divide into two main types :

- (a) the *well-made* or *direct* type, marked by a contrived plot of action so manipulated as to issue in a crisis and resolution ; and
- (b) the *impressionist* or *cross-sectional* type, marked by a relative absence of action, and by the revelation of a significant mood through a subtle presentation of apparently trivial things.

The stories of H. G. Wells belong to the first type ; those of Katherine Mansfield to the second.

Importance of Construction

In the “ well-made ” type of short story, construction is of first importance. The plot development may be thought of as being divided into structure units, each with its sub-units of stimulus and response in dialogue, gesture, and action. The essential element is a *fresh turn* in the story, soon after the first main action, so as to “ ginger up ” the reader just when he might tire.

STRUCTURE UNITS OF A SHORT STORY

(N.B.—The story must depend on a central *idea*.)

(a) Opening : either (i) the first facts to be known, as a direct opening about the circumstances and characters ; or (ii) a suggestion of the Idea of the story—an indirect, plausible chat about this idea, or on the way the author has come to be interested in the circumstances and character.

I. *First Main Event*, with a little of the Idea.

II. *Second Main Event*, with an element of the unexpected : this is the Fresh Turn, the complication, to arouse flagging interest and shed a little more light on the Idea.

III. *Third Main Event*, forming a grand climax or crisis, and bringing out the Idea fully.

(b) Ending : giving the issue of the action, and emphasizing the story's final significance.

(For a full treatment of the above analysis see *The Idea in Fiction*, by H. W. Leggett (Allen & Unwin).)

N.B.—Two of the longer stories in this book are printed in incomplete form so that the reader may invent and write up his own completion.

I

THE STOLEN BACILLUS

Structure Units

Idea : The horrible danger of an epidemic, yet the humorous ordinariness of people meanwhile : the closeness of the sublime and the ridiculous.

Part played by science : cultivation of the cholera germ, which could be spread abroad with deadly effect.

(a) Opening : " This again " to " one of them in the universe " : direct—the circumstances and characters.

Idea : Danger of bacilli—" I wish we could kill and stain every one of them in the universe."

I. *First Main Event*, "' I suppose ' " to climax at " Blue rain . . . to the street " ; the visitor steals the tube of cholera bacilli. Idea of the dangerousness of bacilli further developed.

II. *Second Main Event*, " Minnie, hearing " to " he would not fail " ; the chase after the thief, seen (a) from the pursuer's viewpoint ; (b) from the spectator's viewpoint ; (c) from the pursued's viewpoint—an Anarchist. Climax: the pursued drinks the cholera drops.

III. *Third Main Event*, " Then it dawned " to " preparing some more " ; the crisis, the pursued facing his pursuer—" The cholera is abroad ! " Comic anti-climax—not cholera germs, but germs that cause blue patches ; thus Idea fully developed.

(b) Conclusion : viz. last paragraph ; the humorous ordinariness of folk despite these great life and death issues—" Put on my coat on this hot day ! Oh ! very well ! " The Idea reinforced in light-hearted form.

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Find out what you can about bacilli, and then summarize the facts.

2. Outline the story in about 200 words, and supply another three-word title.

3. " The story works up to a climax, and explodes in a laughable anti-climax." Show whether or not this is true.

4. Which section of the story brings back to mind Cowper's *John Gilpin* ?

5. " The story of a man filled with cunning and conceit." (a) Is this true ? (b) Briefly describe the three leading characters ?

6. Quote and comment on any *two* small touches that show Wells's grasp of character.

7. Think of some similar situation, and write a short story about it in the Wells manner.

II

IN THE AVU OBSERVATORY

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Give the gist of the story in about 50 words, and compose another four-word title. What is the *idea* which motivates this story?

2. Divide the story into structure units. Of what type is the opening?

3. (a) Carefully re-read all the fourth paragraph. (b) Give your own description of an "ordinary astronomical observatory." (c) Compare your version with the original in respect of accuracy of detail and efficiency of style.

4. Find from a reference book the position and form of the constellation *Sagittarius*.

5. Find and write down the ironical sentence that means, "We were close together if not friendly."

6. Find, if you can, a detail of action that later on seems contradicted.

7. What does the story reveal of (a) an astronomer's duties, (b) life under the conditions of Borneo?

8. Give a few of the touches of detail that lend reality to the story.

9. Write another story about a scientist and the Big Colugo.

III

THE TREASURE IN THE FOREST

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Outline the story in about 150 words, supply a fresh title, and state the basic idea.

2. Divide the story into structure units, with headings. Of what type are (a) the opening, and (b) the ending?
3. How is a fresh turn introduced?
4. By what means is the previous history of Evans and Hooker conveyed to the reader?
5. "It's so like——" Name the personage referred to.
6. Explain the reason for Chang-hi's grin. Would the story be as effective if Evans and Hooker died suddenly?
7. The story conveys a moral. What is it?
8. Look up and summarize any information you can find about the Dyaks of Borneo and their poisoned blow-pipe darts.
9. Using the same setting, write a story about different characters, and with a different ending.

IV

THE EMPIRE OF THE ANTS

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Summarize any information you can obtain about tropical ants and their habits.
2. "A certain liberal heathen deity." What is meant by this euphemism?
3. What does the author tell us in order to give an impression of the loneliness and inhumanity of the Amazon basin?
4. What is the *motif*, often repeated, of the story?
5. Give your summing-up of the characters of Captain Gerilleau and Holroyd.
6. What does the story imply about life on the earth?
7. Which structure units of the story are given in the fragmentary text printed here?
8. Complete the story in your own way, giving a third main action and a conclusion. (Either at length or in summary form.)

V

ÆPYORNIS ISLAND

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Make notes on any information you can gather about the Æpyornis and other extinct birds, e.g. the Great Auk. What details does Wells give? Are they feasible? By words or drawings sketch your own mental picture of the bird.

2. Divide the story, with sub-titles, into structure units, and supply a fresh title in five words. Where does the fresh turn take place? What is the motivating idea?

3. Is this (a) one of Wells's clean-cut stories, or (b) an atmosphere piece, or (c) a borderline case?

4. "Short stories avoid complication and individuality of character-drawing: types are their standby." In the light of this statement, examine the character of Mr. Butcher.

5. Invent another situation involving Mr. Butcher, and write a short story with the sub-title *Monster against Man*.

VI

IN THE ABYSS

FOR DISCUSSION AND WRITTEN COMPOSITION

1. (a) Why does pressure increase in proportion to depth beneath the water surface? In the dialogue that opens the story, on what facts are Lieutenant Weybridge's calculations based? (b) What is known of the ocean floor and the life found on it? (c) How long would the sphere have taken to reach the bottom if the depth had been ten miles?

2. Make a cut-out sketch of your conception of the diving-bell. (Compare the vessel used by Dr. Beebe for his sea-floor observations, in *Beneath Tropic Seas*, 1928.)

3. Explain in your own words the apparatus and process of Elstead's scheme for reaching the sea-floor and then returning to the surface. If you have any criticisms to make of the practicability of the scheme, state them; and try to devise a better scheme.

4. Explain: "was shut off entirely from its general cavity."

5. Describe from memory the town and creatures Wells describes as being on the ocean floor.

6. How does the author account for the existence of the strange, manlike creatures? Why did they worship Elstead?

7. Describe your conception of Elstead's experiences on his second descent. How might some record of these have been procured?

8. With sub-heads, show the structure units of the story. What is the idea behind it?

9. Write a story in which Elstead attempts rocket flights to the stratosphere and the moon.

INTERLUDE: LITTLE MOTHER OF THE MÖRDERBERG

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Give the gist of the story in about 75 words, and compose a fresh title in four words.

2. Re-write the story briefly as from the point of view of the "red-boiled hero of the peaks."

3. What is the advantage (if any) of introducing the "little mother" into the story?

4. Is this story (a) a satire on serious mountain-climbing, or (b) "an extravagant, even silly, farce" (as one critic calls it)? Does it strike you as genuinely amusing, or forced?

5. Wells normally excels in humour rather than in wit. In this story (a) what is the type of humour in the situation and characters? (b) Give examples of the wit, and consider whether "Cockney" describes them.

6. Which of the following descriptive terms do *not* apply to this story: subtle, facetious, flippant, mordant, delicate, Dickensian, light-hearted, impish?

7. Write a short story around the exaggerated adventures of a conceited, bouncing crank who is given a place in a village cricket team on the occasion of a match with the rival team of the next village.

VII

THE REMARKABLE CASE OF DAVIDSON'S EYES

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Edgar Allan Poe divided stories into those of *incident* and those of *tone*. To which type, on the whole, does this story belong.

2. Of what type are the beginning and the ending?

3. What is meant by the Fourth Dimension? Explain clearly any theory that would account for the happenings (supposing that they were true).

4. Retell the story shortly from Davidson's angle.

5. Quote some small touches that tend to give the tale an air of truth.

6. Write a story based on a trick of hearing.

VIII

THE COUNTRY OF THE BLIND

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Find out what you can about blindness, and state whether or not the blind, or any proportion of them, can

have visual dreams and thus understand what sight means.

2. Into what structure units does the story fall? Compose a fresh title in four words.

3. How is the *idea* of the story brought out?

4. To which of the following types does the *opening* belong: (a) Friendly chat suggesting the wonder and possibilities of the idea behind the story and anticipating its general scope; (b) Statement of essential points of person, place, and time; (c) Broaching of action or dialogue involving the issue of the story; (d) Setting out the way the story took form—from a diary or from hearsay, or from a witness' account—so as to induce conviction of its truth?

5. To which of the following types does the whole story belong: (a) Direct action and dialogue (as with *The Stolen Bacillus*); (b) Enveloping atmosphere, largely descriptive and explanatory (as with *The Empire of the Ants*); (c) Continually developing climax combining expectation, conjecture, and action (as with *The Argonauts of the Air*); (d) Joint action and atmosphere (as with *In the Avu Observatory*)?

6. Describe the kind of country through which Nunez made his way into the Country of the Blind.

7. By what steps did Nunez (a) form the conviction that he had stumbled on the Country of the Blind; (b) realize the futility of trying to change or overrule the Blind?

8. What do you regard as the *meaning* of the story?

9. Quote two short passages marked by beauty of idea and expression; and describe their quality. Comment on the statement, "Wells has a mind well balanced between the concrete and the abstract, the poetic and the matter-of-fact."

10. This short story is generally regarded as a masterpiece. Why do you think this is so?

11. Write a brief story called *The Country of the Deaf*.

IX

THE DIAMOND MAKER

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Find and summarize the chief points about the composition, appearance, and qualities of diamonds.
2. Give the gist of the story in about 50 words, and compose a fresh three-word title.
3. Break up the story into its structure units, and state the type of (a) opening, (b) fresh turn, (c) ending.
4. If this story seems to you not one of the best of the collection, enumerate its weak points; if one of the best, its strong points.
5. Give an example of (a) a dramatic touch, (b) a graphic descriptive phrase, (c) paradox (which need not consist of words).
6. In appearance and character is the diamond maker a Wellsian figure or an exception?
7. Rewrite the story from, "Somehow I am assured you are no thief," freely changing the action so as to make a fresh version of your own.

X

THE LORD OF THE DYNAMOS

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Explain what a dynamo is, and how it is used to supply power. Draw a dynamo as seen from outside, and make a diagram to show how it works.
2. What is the idea behind this story?
3. Summarize the story in about 60 words, and supply a fresh title.
4. Explain the meaning of the following as found in

their context: Carnot's cycle, Pooh-Bah, ethnology, negroid, viperins, (dynamo) brush, captive devils of the British Solomon, peccant coil, governors, armature.

5. Of what type is the opening of the story? Contrast the characters of Holroyd and Azuma-zi.

6. Quote an example of play on words.

7. Give from memory a list of as many of the sounds recorded in the fifth paragraph as you can remember after a careful re-reading.

8. Make a similar record of noises to be heard in any factory or garage you know.

9. If you can obtain it, read *The Stream*, by E. H. Young, or the short version called "A Mountain Hike" in *Modern Prose* (Nelson, T.E.S.).

10. Trace the steps by which Azuma-zi passes from being a simple workman to becoming a frenzied madman.

11. In a short story, when a personage is shown to have one definite desire, all other matters concerning him should be excluded to leave the desire prominent. Is this done with Azuma-zi?

12. In note form divide the story into structure units. How does the author bring about (a) the fresh turn, (b) the climaxes, (c) the crisis?

13. Write a short story about a figure like Azuma-zi either (a) with a coal mine setting, or (b) in a steel works, or (c) on a farm.

XI

THE ARGONAUTS OF THE AIR

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Comment on Monson's Flying Machine in relation to the modern aeroplane. (Diagrams would be helpful.)

2. In note form outline the story in relation to its structure units.

3. What is the type of ending? State two other ending types to be found in these stories.

4. After studying the first sentence of the second paragraph in this story, write a sentence of your own to describe the sound of (a) a toboggan going down the incline of a scenic railway, or (b) an engine being shunted.

5. Quote an ironical phrase.

6. Wells has often been a true prophet. Quote, however, two successive sentences from this story that make statements which have since proved untrue.

7. In a short story the thoughts and feelings of only one actor should be fully entered into; and to indicate those of actors other than the "viewpoint" actor, speech and deeds alone should be given. How does the rule work out in this story?

8. Tell, in your own words, the story of the flight.

9. Recast and rewrite the story shortly from the point, "Even a Londoner . . . Regent's Park knows that."

XII

FILMER

FOR DISCUSSION AND WRITTEN COMPOSITION

1. Contrast the principle of Filmer's aeroplane with that of the modern aeroplane.

2. What is your estimate of the character and personality of Filmer?

3. Is the story motivated for a happy or for a tragic ending?

4. The opening, the crisis, and the ending of the story have been omitted in this version. Supply an opening devised by yourself.

5. Invent a development and ending for the story, and write them up either in note form or at length.

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ON THINKING IT OVER

Practice in General Criticism

FOR DISCUSSION AND WRITTEN COMPOSITION

1. The stories in highest critical esteem in this volume are (a) *The Country of the Blind*, (b) *The Stolen Bacillus*, (c) *Æpyornis Island*. Why do you think they are preferred? Which group of three stories from this volume, and in what individual order, do you prefer?

2. One reviewer divides the tales into the merely queer, the horrible, the horrible horrible, or a general variation of all three. Do these types cover all the tales in this volume?

3. There is usually some freak of science as a basis of a Wells story. Which of the sciences, broadly, is behind (a) Nos. 1-6, (b) Nos. 7-12?

4. Comment on any *two* of the stories from the angle of the following analysis: "The stories of almost intolerably ordinary people in almost too absorbingly extraordinary circumstances. And yet not so ordinary as to be unable to face with a kind of philosophical *bonhomie* the wildest pranks of the unforeseen. Here, perhaps, Mr. Wells is more cunning—is he more impressive?—than Poe"—whose personages are morbidly serious.

5. "A story divides into Beginning, Body, and Ending, which in many stories analyse like this:

Tell 'em it's going to happen; Show it happening;
Tell 'em it has happened." (JOHN GALLISHAW,
Advanced Problems of the Fiction Writer,
Putnam, 1931.)

Examine *two* Wells stories in the light of the above.

6. A story may be regarded as a kind of report of a case sent in from a depot. "Only definitely disturbing news furnishes a sufficiently *dramatic* depot-report for a *short-story*" (John Gallishaw). Give two examples of Wells's stories based in this way on disturbing news.

7. "The material is fitted for the short story if it can be presented throughout as a record of inner disturbance

of a single actor."—GALLISHAW. Give *two* instances from this book of the working of this principle in the Wells type of short story.

8. "The marvels of science can play the same part as the marvels of fairy-tales. It makes reality of a dream." Discuss this opinion of M. André Maurois on the Wells method.

9. "It is always about life being altered that I write, or about people developing schemes for altering life. And I have never once 'presented' life. My apparently most objective books are criticisms and incitements to change."—H. G. Wells.

Consider *two* of the stories in this book from the above point of view.

10. "To Wells, life is a joyful round of magnificent adventure and research." Give some evidence from the stories in confirmation or disproof of this.

11. "Wells has a knack of portraying personalities in a few brief phrases—quite apart from the raciness of his dialogue." Illustrate and comment on this statement.

12. "Precision in the unessentials and vagueness in the essentials are really the basis of Mr. Wells's art, and convey admirably the just amount of conviction." Illustrate this from any *one* story.

13. Describe the three black-and-white illustrations, and comment on them in relation to the stories concerned.

14. Contrast a typical Wells story with a typical story from any other writer (*e.g.* Poe's *Eleanore*, Katherine Mansfield's *Bank Holiday*, A. E. Coppard's *Willie Waugh*).

15. Write a story of your own as if to add to this volume either (*a*) another Wells story, or (*b*) a story as different as possible from Wells, or (*c*) your *own* type of story.

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